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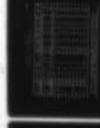
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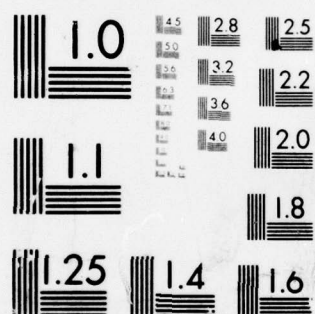
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PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES  
Volume 2: PACIFIC SOUTHWEST REGION

# NATIONAL HYDROELECTRIC POWER RESOURCES STUDY PRELIMINARY INVENTORY LEVEL 1 OF HYDROPOWER RESOURCES

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Volume 2

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Preliminary Inventory of Hydropower Resources (PIHR) a preliminary product of the National Hydropower Study (NHS), was published in six (6) volumes (regions) to facilitate reproduction and distribution. The PIHR contains general as well as site-specific information on our nation's hydroelectric power potential. It gives estimates of existing, incremental and undeveloped hydropower potential by state and region and furthermore, breaks these categories down into size ranges of small-scale (.05-15 MW) intermediate (15-25 MW) and large-scale (greater than 25MW) sites. Because the inventory is a preliminary product of the NHS, it may		

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be superseded at some future date.

Conservative assumptions have been made in the screening and analysis process to avoid eliminating any potentially feasible sites. The current summary tables provide the best estimated to date, but to some degree, may overstate the actual capacity and energy which could be developed. The estimates for individual sites may be overstated for the following reasons:

a. A reduction of net power head due to rising tailwater conditions during high flows was not compared.

b. The analysis technique of maximum net benefits, using incomplete project costs, resulted in a low plant factor operation. This type of operation could require more reservoir storage than is available for regulating power flows; or could cause unacceptable fluctuations in the surface elevation of the reservoir or downstream flow.

c. Computations ignored diversion of water for other uses, as well as losses due to evaporation.

d. Turbines were assumed to be 100 percent efficient, and head losses through penstocks were not estimated.

e. During periods of high flow, it was calculated that streamflow would pass through the turbines at the design discharge rate when in fact, during excessively high flows, the plant may be shut down because of high tailwater and reduced head.

f. Summary tables include estimates of the potential capacity and energy at each site in the inventory. In some cases, individual projects may be site alternatives to others in the same general location, when only one can be considered for hydropower development.

g. Detailed consideration of the social, economic, institutional and environmental constraints associated with hydropower development were not specifically included in the analysis.

All of the issues listed above will be addressed during future stages of the National Hydropower Study through the addition of more detailed site-specific information, and by refinements in the computer routines used in assessing the data.

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The manuscript herein was written and prepared by Dr. Wayne R. Sigleo, Mr. James R. Hanchey and Mr. Darrell G. Nolton of the Corps' Institute for Water Resources. The text had the benefit of informal review and comment by the staff of the National Hydropower Study group at the Institute. The data presented in these reports were collected by the Corps' Division and District field offices. The presentation of these data, particularly the tables and computer format, were made possible through the concentrated efforts of Mr. Gary Franc of the Corps' Hydrologic Engineering Center (HEC) who, based on instructions from Mr. Jim Dalton of the Corps' Southwestern Division (SWD), developed the computer software to summarize the data from the inventory and made all necessary computer runs. HEC arranged for the printing of these reports and is responsible for their distribution.

Some of the major responsibilities associated with the National Hydropower Study were assigned to the Corps' Hydrologic Engineering Center, under the supervision of Mr. Bill S. Eichert, the Center's Director. HEC was assigned the tasks of developing the data management software, the editing and analysis programs required in the screening studies and in making the computer runs required in the screening process. Mr. Jim Dalton (SWD) was instrumental in formulating the computational techniques used and was assigned the responsibility of technical management. Mr. Dale R. Burnett was HEC's overall coordinator; Mr. Tom White and Mr. Orval Bruton of the Corps' North Pacific Division (NPD) developed the cost-estimating procedures; Messrs. Arthur Pabst and Mark Lewis (HEC) developed the file management software; and Ms. Marilyn Hurst (HEC) did most of HEC's computer production runs for the National Hydropower Study.

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## PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES

### INTRODUCTION

Since completion of the world's first central hydroelectric generating facility at Appleton, Wisconsin in 1882, hydropower has played a major role in our nation's social and economic development. Although this first installation was comparatively small (providing only enough power to light 250 light bulbs), it had a large impact, and streams and rivers across the country were rapidly developed to generate electricity. Today, hydropower provides about 13 percent of the nation's total electric power with a conventional installed capacity of about 64,000 megawatts and an average annual energy generation of some 280 thousand gigawatt-hours.

Hydroelectric power development was rapid during the first half of the twentieth century, but by the mid-1960's many factors had combined to diminish its contribution to electrical utility systems. First, the most favorable sites were developed early, and the undeveloped potential simply did not look as attractive when compared to other available energy sources. Second, demand for electricity increased rapidly during the 50's and 60's, and even with the continued development of new sites, hydropower's "share of the load" steadily decreased. Finally, the low cost of fossil fuels and optimistic forecasts concerning nuclear technology and its public acceptability led many planners to believe that the nation's energy future was secure.

During the past decade, a number of interacting factors, including rising fuel prices, rapid escalation of the costs in constructing thermal generating facilities, and increased public concern over the safety of nuclear plants have prompted not only a search for new energy alternatives, but also a reexamination of previously ignored or discounted alternatives. Because of the immediate need to develop new sources of energy, planners at all levels of organization have significantly increased their efforts to assess the most feasible alternatives to meet present and future energy demands. Hydroelectric power development, particularly incremental or new capacity at existing facilities, could provide an important contribution to our nation's growing energy needs.

The U.S. Army Corps of Engineers is currently conducting a detailed assessment of the nation's hydroelectric resources as part of the National Hydroelectric Power Study authorized by Section 167 of the Water Resources Development Act of 1976 (P.L. 94-587). The study is designed to provide a current and comprehensive estimate of the potential for incremental or new generation at existing dams and other water resource projects, as well as for undeveloped sites in the United States. In addition, the study will address the demand for



hydroelectric power, and will investigate various related policy and technical considerations to determine the incentives, constraints and impacts of developing hydropower to meet a portion of our future energy demands. When complete in 1981, the effort will provide a more detailed evaluation of the nation's hydroelectric resources, and will serve as a framework for future planning and development of this important renewable energy source.

The National Hydropower Study addresses all conventional hydroelectric power potential at Federal and non-federal installations, and considers both large and small-scale dams and other water resource projects. The Corps of Engineers involvement in studying the nation's small-scale potential dates from President Carter's Energy Plan of 1977. This program specifically recognized the opportunity for redeveloping small-scale hydropower as an alternative source of energy and the President directed the Corps to produce summary estimates of the potential at existing small dams in the country.

The directive led to the Corps' preliminary 90-day hydropower study which was published in 1977<sup>1</sup>. This study was the first to provide comprehensive estimates of the small-scale potential at existing dams and also identified key areas of the country where small-scale hydropower development could potentially reduce dependence on fossil fuels as a source of energy generation. It is important to note that these estimates were based largely on theoretical potentials calculated for the river basins in the United States and were not the product of site-specific investigations.

During the initial planning stages of the National Hydropower Study, the U.S. Department of Energy requested that a more detailed assessment be made of the nation's small-scale hydroelectric resources. Because of the wide public interest in this potentially valuable alternative energy resource, the small-scale assessment has been integrated into the overall National Hydropower Study and is included in this series of reports.

#### PURPOSE AND SCOPE

Site-specific information on the physical hydroelectric power potential is essential in determining the social, economic, institutional and environmental feasibility of developing this resource. Because of the immediate need for wide dissemination of state, regional and national hydropower data, the Corps' Institute for Water Resources has prepared

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<sup>1</sup> R. J. McDonald, Estimate of National Hydroelectric Power Potential at Existing Sites, Institute for Water Resources, Ft. Belvoir, Virginia, July 1977.

this series of regional reports, Preliminary Inventory of Hydropower Resources. The inventory is the result of a comprehensive data collection effort conducted by the Corps of Engineers and is based on site-specific analysis and evaluation.

The purpose of these reports is to provide preliminary estimates of the existing and potentially feasible hydroelectric power resources in the United States, and to briefly evaluate their regional significance. The estimates of existing, incremental and undeveloped hydropower potential have been grouped in three categories which are based on megawatt (MW) capacity. These include small-scale (.05-15 MW); intermediate (15-25 MW); and large-scale (greater than 25 MW).

The reports have been organized into 6 volumes, each divided along regional boundaries of the United States (Figure 1). The regions have been arbitrarily selected, but each roughly approximates broad physical and cultural divisions of the country. They include:

- a. Pacific Northwest (Vol. 1)
- b. Pacific Southwest (Vol. 2)
- c. Mid-Continent (Vol. 3)
- d. Lake Central (Vol. 4)
- e. Southeast (Vol. 5)
- f. Northeast (Vol. 6)

Each volume of the Preliminary Inventory of Hydropower Resources contains a description of the methods of study, national and regional summary statistics, and a brief assessment of the resource potential. Appendix 1 of each volume contains individual state summary totals with the data grouped in various hydraulic head and capacity ranges, and an inventory of all potentially feasible sites in each state included in the appropriate region. The inventory includes site-specific geographic information, project purpose and ownership references, refined streamflow and hydraulic data, and the capacity and hydroelectric energy estimates. Appendix 2 of each volume is a brief description of the hydroelectric power terms used in the reports, and for further information, Appendix 3 contains a list of Corps of Engineers Division and District field offices.

#### METHODS OF STUDY

The preliminary inventory of potentially feasible hydropower resources includes an estimate of the capacity and energy available at both existing dams and undeveloped sites in the United States. The major source of data on existing hydropower facilities was the National Inventory of Dams developed by the Corps of Engineers as part of the National Dam Safety Program.<sup>2</sup> This inventory contains geographic

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<sup>2</sup>U.S. Army Corps of Engineers, National Program of Inspection of Dams, in 5 Volumes, Office of the Chief of Engineers, Washington, D. C., May 1975

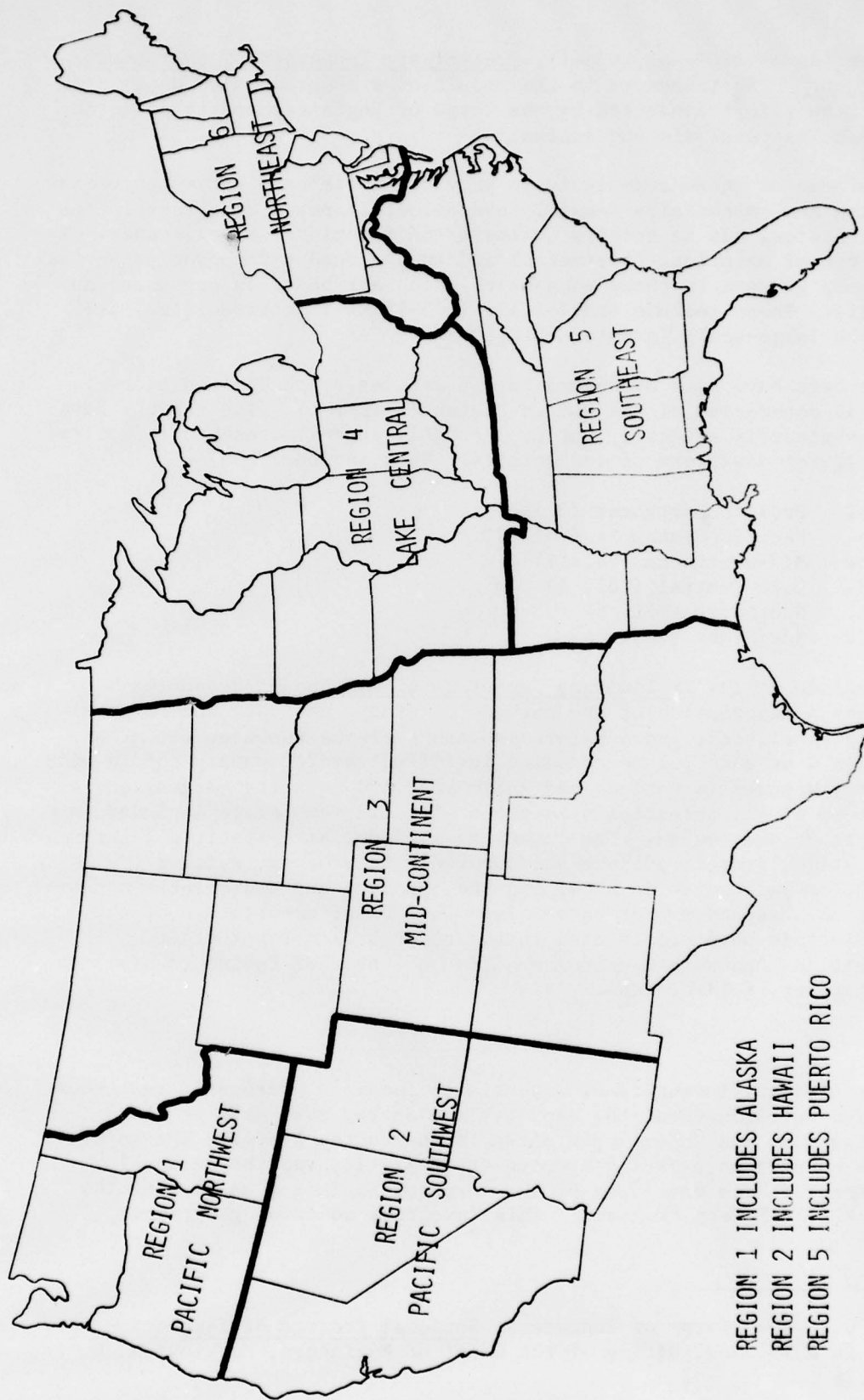


Figure 1: REGIONS AS DEFINED FOR THE PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES



physical, and ownership data on approximately 50,000 dams in the nation. Identification and data collection on undeveloped sites was more limited since only about 5,000 sites had been identified or previously studied by the Corps of Engineers and other local, state and Federal water resource agencies. In addition, no attempt was made to include pumped storage sites in the inventory.

The data in the original national inventory of dams were supplemented as necessary to develop preliminary estimates of the hydroelectric power potential at each site. Computer routines which utilized head, storage and streamflow estimates were developed to compute the capacity and energy potential of each existing dam and undeveloped site. A screening routine was used to eliminate those sites without sufficient storage, head or streamflow to generate a significant amount of electrical energy. Generally, the existing dams and undeveloped site locations listed in the inventory are those with a capacity of 50 kilowatts or greater. In most cases, the current installed capacity at existing dams was derived from the nameplate capability. This initial screening procedure reduced the number of sites in the active inventory from approximately 55,000 to about 17,500.

During the second stage of the preliminary screening, additional physical data were collected for all sites remaining in the inventory. In particular, the supplemental data included the designation of a U.S. Geological Survey (U.S.G.S.) reference gaging station; a refined estimate of the available net power head; and an estimate of the drainage area associated with each site. Computer routines developed by the Hydrologic Engineering Center and the Corps' Southwestern Division were utilized with USGS streamflow data and drainage area measurements to produce a synthetic flow-duration curve at each site. Conventional flow-duration analysis was used to estimate the capacity and energy available at each site for a range of plant factors.

Generalized cost estimates were developed by the Corps' North Pacific Division to approximate the cost of turbines, generators, and other powerhouse costs associated with the representative capacity selected for each site in the inventory. Generalized regional power values, developed for the study by the Federal Energy Regulatory Commission (FERC), were used to provide a preliminary estimate of the value of the potential capacity and energy at each site. Each site was then sized at the capacity and energy which gave a maximum net benefit. A second screening, comparing the estimated powerhouse cost with the value of power to be produced, eliminated those sites which had doubtful economic feasibility. This screening process reduced the active inventory to approximately 11,000 sites which are contained in these regional reports.

The basic objective of the preliminary inventory and analysis procedures is to provide a comprehensive assessment of the undeveloped hydroelectric power potential in the United States and to determine

which sites merit more thorough investigation. Accordingly, conservative assumptions have been made in the screening and analysis process to avoid eliminating any potentially feasible sites. The current summary tables provide the best estimates to date, but to some degree, may overstate the actual capacity and energy which could be developed. The estimates for individual sites may be overstated for the following reasons:

a. A reduction of net power head due to rising tailwater conditions during high flows was not computed.

b. The analysis technique of maximum net benefits, using incomplete project cost resulted in a low plant factor operation. This type of operation could require more reservoir storage than is available for regulating power flows or could cause fluctuations in the surface elevation of the reservoir or downstream flow that would not be acceptable.

c. Computations ignored diversion of water for other uses, as well as losses due to evaporation.

d. Turbines were assumed to be 100 percent efficient, and head losses through penstocks were not estimated.

e. During periods of high flow, it was calculated that streamflow would pass through the turbines at the design discharge rate when in fact, during excessively high flows, the plant may be shut down because of high tailwater and reduced head.

f. Summary tables include estimates of the potential capacity and energy at each site in the inventory. In some cases, individual projects may be site alternatives to others in the same general location, when only one can be considered for hydropower development.

g. Detailed consideration of the social, economic, institutional and environmental constraints associated with hydropower development were not specifically included in the analysis.

All of the issues listed above will be addressed during future stages of the National Hydropower Study through the addition of more detailed site-specific information, and by refinements in the computer routines used in assessing the data.

## RESOURCE ASSESSMENT

### National Potential

Estimates of the existing, incremental and undeveloped conventional hydroelectric power potential for the various regions of the United States are presented in Table 1. The total physical resource for all regions is estimated to exceed 512,000 MW of capacity with an average annual energy generation greater than 1.4 million GWH. At the present time, the Corps has identified 1,251 existing hydropower facilities currently generating power with a total installed capacity of some 64,000 MW producing over 280,000 GWH of average annual energy. There are over 5,400 existing dams which have the potential for new incremental power development. Some of these are currently generating power, and full development of the incremental potential could yield an additional capacity of some 94,000 MW with an average annual energy generation exceeding 223,000 GWH. There are also some 4,500 potentially feasible, undeveloped sites which, if fully developed for hydropower, could produce another 354,000 MW with an estimated average annual energy greater than 935,000 GWH.

The distribution of the overall hydroelectric power resource in the nation is shown in Figure 2. The Pacific Northwest has the largest proportion of the nation's installed capacity and currently generates some 48 percent of the conventional hydroelectric energy produced in the United States. Other areas with a significant, but smaller proportion of the total installed capacity and energy generation include the Southeast, Northeast, and Pacific Southwest regions. Nearly all existing hydroelectric facilities and other water resource projects in the country have the capability for incremental energy generation with the Northeast, Lake Central and Pacific Northwest having a large share of this potential. The undeveloped hydroelectric resource is widely distributed, but appears greatest in the Pacific Northwest, Mid-Continent and Southeast regions, particularly at large-scale sites.

There are over 5,600 small-scale dams in the country which are either generating power, or have the potential for incremental development. The installed capacity at existing small-scale facilities is estimated to be some 3,000 MW with an average annual energy generation exceeding 15,000 GWH. These values represent about 5 percent of the nation's current installed hydroelectric capacity and energy generation. Approximately 5,400 MW of new incremental capacity could be installed at a large percentage of the existing small-scale dams for an estimated energy generation of about 17,000 GWH annually. In addition, some 2,600 potentially feasible, undeveloped sites have been identified which could provide an estimated capacity of 8,000 MW and more than 28,000 GWH of average annual energy generation.

As shown in Figure 3, the amount and regional distribution of the small-scale resource potential varies considerably, as these patterns closely reflect an interaction between climate, landforms and settlement



TABLE 1. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES

## REGIONAL SUMMARIES

REGION	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES												TOTAL			
	Small-Scale (.05-15 MW)			Intermediate (15-25 MW)			Large-Scale (Greater Than 25 MW)			(All Sizes)		Exist	Undev	Total		
	Exist	Incr	Undev	Exist	Incr	Undev	Exist	Incr	Undev	Exist	Incr					
Vol. 1																
Pacific N. West																
No. of Sites	93	282	745	13	36	208	257	73	83	896	1,052	179	401	1,849	2,429	
Cap. (MW)	430	642	3,702	234	700	4,069	5,003	26,141	31,919	259,705	317,769	26,804	33,262	267,480	327,546	
Ener (GWH)	2,441	2,234	16,390	1,216	1,943	14,738	17,897	130,365	33,999	673,918	838,282	134,022	38,175	705,045	877,242	
Vol. 2																
Pacific S. West																
No. of Sites	111	354	272	9	17	26	52	69	43	110	222	189	414	408	1,011	
Cap. (MW)	410	574	632	171	345	509	1,025	9,347	5,109	16,043	30,499	9,928	6,028	17,184	33,140	
Ener (GWH)	2,176	1,569	1,640	837	550	1,059	2,446	37,311	8,729	31,877	77,917	40,325	10,849	34,577	85,751	
Vol. 3																
Mid-Continent																
No. of Sites	54	779	666	11	15	63	89	44	59	234	337	109	853	963	1,925	
Cap. (MW)	184	850	1,182	218	317	1,311	1,846	6,087	6,589	27,376	40,052	6,488	7,758	29,868	44,114	
Ener (GWH)	1,372	2,138	3,074	1,006	524	3,142	4,672	22,403	12,481	64,274	99,158	24,781	15,144	70,491	110,416	
Vol. 4																
Lake Central																
No. of Sites	204	601	551	10	43	16	69	17	88	59	164	231	732	626	1,589	
Cap. (MW)	734	914	926	180	875	319	1,374	1,689	14,038	6,552	22,279	2,602	15,850	7,799	26,231	
Ener (GWH)	3,439	3,128	2,859	940	2,124	763	3,827	5,475	39,514	17,380	62,369	9,854	44,766	21,004	75,624	
Vol. 5																
Southeast																
No. of Sites	110	566	265	19	29	54	102	98	87	146	331	227	682	465	1,374	
Cap. (MW)	285	704	1,077	360	559	1,114	2,033	11,182	11,758	20,969	43,909	11,827	13,021	23,160	48,008	
Ener (GWH)	1,000	2,189	3,349	1,105	1,185	2,863	5,153	36,409	21,466	67,460	125,335	38,514	24,840	73,672	137,026	

TABLE 1. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES

## REGIONAL SUMMARIES (CONTINUED)

REGION	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES										TOTAL	
	Small-Scale (.05-15 MW)			Intermediate (15-25 MW)			Large-Scale (Greater Than 25 MW)			(All Sizes)		Total
	Exist	Incr	Undev	Exist	Incr	Undev	Exist	Incr	Undev	Exist	Undev	
Vol. 6*												
Northeast												
No. of Sites	270	2,231	143	19	26	20	27	85	58	316	221	2,879
Cap. (MW)	914	1,771	491	354	524	400	4,784	16,446	7,568	6,053	8,457	33,247
Ener (GWH)	4,620	6,009	1,531	1,613	1,533	938	26,276	81,898	28,610	32,508	31,078	153,026
NATIONAL TOTAL												
No. of Sites	842	4,813	2,642	81	166	387	328	445	1,503	1,251	4,532	11,207
Cap. (MW)	2,957	5,455	8,010	1,517	3,320	7,722	59,230	85,859	338,217	63,702	353,948	512,286
Ener (GWH)	15,048	17,267	28,843	6,717	7,859	23,503	238,239	198,087	883,519	280,004	223,214	935,867

<sup>1</sup> Existing hydroelectric power facilities currently generating power.<sup>2</sup> Existing dams and/or other water resource projects with the potential for new and/or additional hydroelectric capacity.<sup>3</sup> Undeveloped sites where no dam or other engineering structure presently exists.

\* Data on undeveloped sites in the New England states are not available (NA).



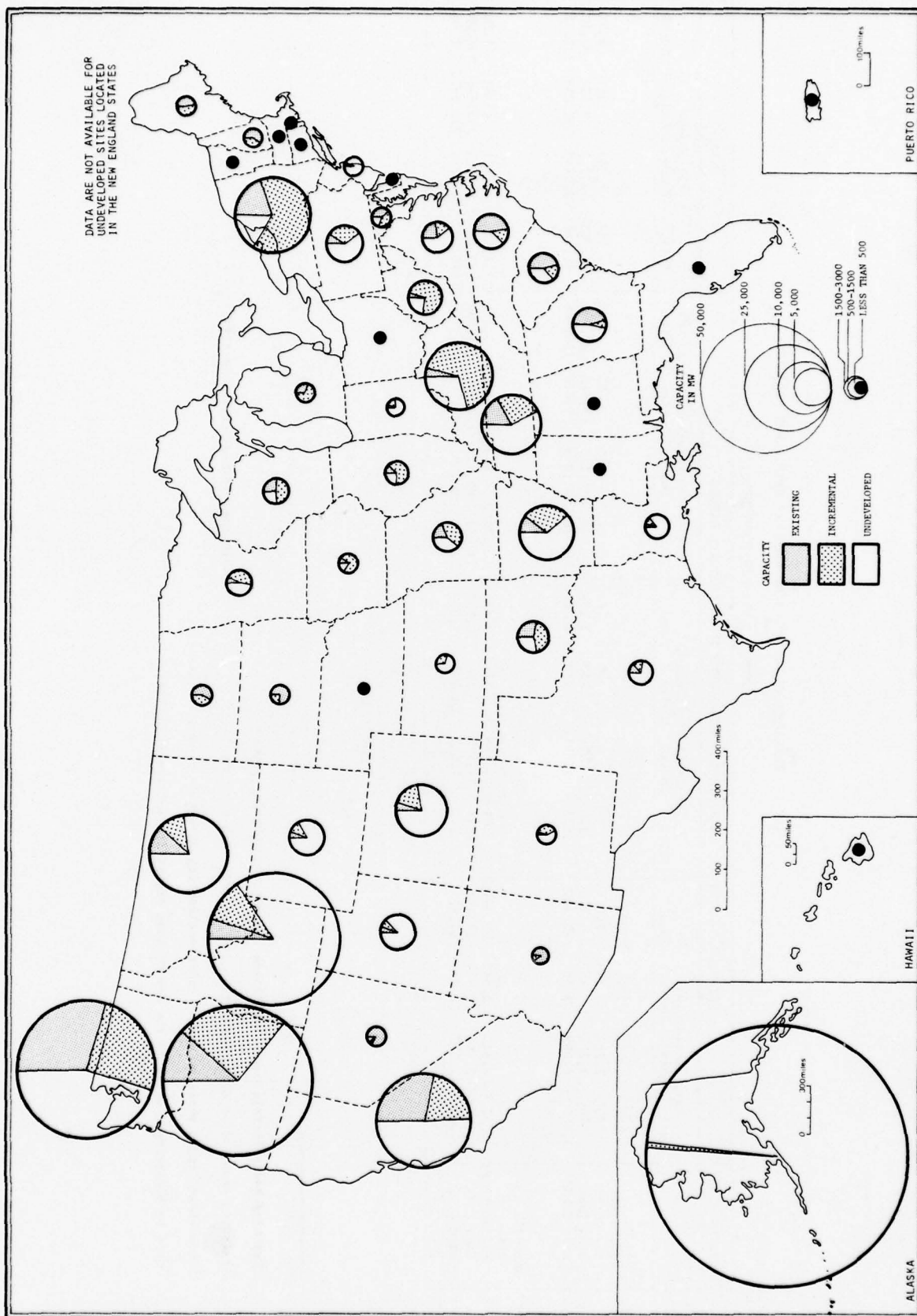


Figure 2: NATIONAL HYDROELECTRIC POWER RESOURCES. (ALL SITES)

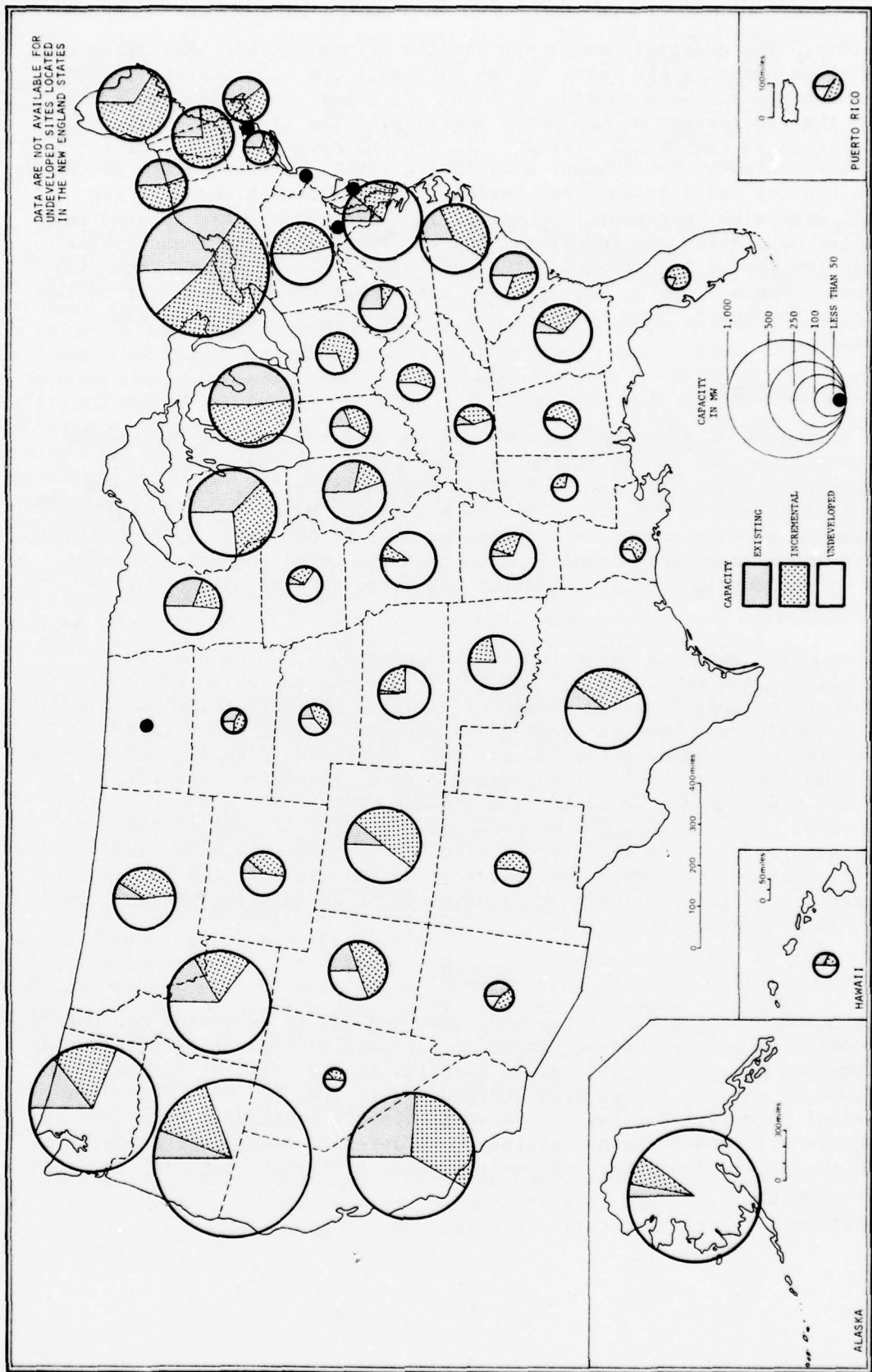


Figure 3: NATIONAL HYDROELECTRIC POWER RESOURCES. (SMALL-SCALE SITES)

history. The greatest number and density of small-scale facilities with installed capacity are found in the Northeast and Lake Central regions of the country. When considered together, these two regions generate more than 53 percent of the total energy produced from all small-scale facilities in the United States. All regions have the potential for incremental power development at existing sites, especially the Northeast, Lake Central and Mid-Continent regions. Significantly, many of the small dams with incremental potential in these regions are located near smaller population and industrial centers where existing transmission interties are well developed. The undeveloped hydroelectric potential at small-scale sites is widely distributed, but appears greatest in the Pacific Northwest, Lake Central, and the Northeast regions of the country.

#### Pacific Southwest

The estimates of existing, incremental and the undeveloped hydropower potential for all states in the various regions of the country are presented in Table 2. In the Pacific Southwest region, the maximum physical potential for all sites exceeds 33,000 MW of capacity with an estimated average annual energy greater than 85,000 GWH. By comparison, these values represent about 6 percent of the total potential capacity and hydroelectric energy generation estimated for the entire United States.

Of the total capacity estimated for the region, 9,900 MW has been installed. The remainder (23,200 MW) is the maximum which could be developed by upgrading and expanding existing projects (6,000 MW), and by installing new hydroelectric power capacity at all potentially feasible, undeveloped sites (17,200 MW). Small-scale facilities account for less than 4 percent of the region's total installed capacity, but another 600 MW could be added to these and other small water resource projects. In addition, 600 MW could be installed at potentially feasible, undeveloped small-scale sites. The small-scale resource varies considerably, with the states of California and Utah having the largest potential for incremental development at existing projects in the Pacific Southwest region.

#### SUMMARY

Over 5,400 existing structures have been identified as having the physical potential to add hydropower plants or increase hydropower output thereby increasing our present hydropower capacity from a total of 64,000 MW to 158,000 MW and our energy from 280,000 GWH to 503,000 GWH. While the physical potential for this increase is clearly available, some of these projects will undoubtedly not satisfy more detailed economical analysis as well as the institutional and environmental criteria which will be imposed upon them.



More than 4,500 undeveloped sites have been identified as having the physical potential to increase our capacity by 354,000 MW and our energy by 936,000 GWH. Many of these have less chance of acceptance than the modifications to the existing projects because of the more adverse environmental and institutional effects. Unfortunately, 47 percent (166,700 MW) of this undeveloped potential is located in Alaska where it would be economically difficult to transmit the power to the potential user.

For the nation's existing hydroelectric power sites, large-scale facilities, 25 MW and greater, account for approximately 92 percent of the capacity and energy generation, particularly those located in the Pacific Northwest and Southeast regions. Small-scale facilities account for about 5 percent of the nation's installed capacity and hydroelectric energy, but incremental development of other potentially feasible, existing small-scale projects could more than double this output by adding another 5,400 MW of capacity and 17,000 GWH of energy to the total. The distribution of the existing small-scale resource is extremely variable, but nearly all regions of the country have the potential for incremental energy development. The undeveloped potential for all sites and capacity ranges is also widely distributed, and appears greatest in the Pacific Northwest, Southeast and Mid-Continent regions of the country.

As stated earlier, these data are preliminary; the capacity and energy estimates represent the maximum physical hydroelectric potential which could be developed in each state and region. The incremental potential and that estimated for undeveloped sites do not include detailed consideration of the engineering, economic, financial and environmental constraints; nor do they include an assessment of the competitive use of water at existing impoundments, or consideration of the complex social, legal and institutional feasibility, all of which could preclude full development of the hydroelectric potential. Future investigations by the Corps of Engineers and other local, state and federal agencies will consider these factors in more detail, and further refine the actual feasibility of the most favorable sites in the inventory.

Publication of preliminary resource information involves the risk that errors and omissions may exist, and this inventory is no exception. At present, the Corps' inventory of hydroelectric power resources is an active screening tool; its primary function and widest utility is to present a viable list of existing and potentially feasible hydroelectric power sites, and to provide reasonably accurate estimates of the aggregate state, regional and national development potential. For this purpose, users of the inventory are encouraged to assist in the continuing refinement of the data base by bringing errors and omissions to the attention of the appropriate Corps of Engineers Division or District office.

For further information concerning specific hydroelectric power sites in any state or region of the country, a complete list of Corps' Division and District representatives for the National Hydropower Study is provided in Appendix III.



TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES  
REGIONAL STATE SUMMARIES

VOL 2: PACIFIC SOUTHWEST

STATE	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES										TOTAL		
	Small-Scale (.05-15 MW)					Intermediate (15-25 MW)					Large-Scale (Greater Than 25 MW)		
	Exist	Incr	Undev	Total		Exist	Incr	Undev	Total		Exist	Incr	Undev
Arizona													
No. of Sites	4	27	37	68		0	0	0	0		5	3	0
Cap. (MW)	32	34	13	79		0	0	0	0		1,374	122	0
Ener (GWH)	105	134	19	258		0	0	0	0		5,959	261	0
California													
No. of Sites	50	216	185	451		9	12	20	41		61	38	90
Cap. (MW)	298	365	474	1,137		171	242	387	800		7,167	4,840	12,192
Ener (GWH)	1,647	990	1,227	3,864		837	342	789	1,968		28,621	8,421	22,993
Hawaii													
No. of Sites	14	11	7	32		0	1	0	1		0	0	0
Cap. (MW)	19	12	30	61		0	19	0	19		0	0	0
Ener (GWH)	102	26	77	205		0	39	0	39		0	0	0
Nevada													
No. of Sites	5	21	19	45		0	1	2	3		1	0	0
Cap. (MW)	9	28	34	71		0	18	40	58		668	0	0
Ener (GWH)	68	55	97	220		0	26	116	142		2,056	0	0
Utah													
No. of Sites	38	79	24	141		0	3	4	7		2	2	20
Cap. (MW)	52	135	81	268		0	66	82	148		138	147	3,851
Ener (GWH)	254	364	220	838		0	143	154	297		675	47	8,884
Region Total													
No. of Sites	111	354	272	737		9	17	26	52		69	43	110
Cap. (MW)	410	574	632	1,616		171	345	509	1,025		9,347	5,109	16,043
Ener (GWH)	2,176	1,569	1,640	5,385		837	550	1,059	2,446		37,311	8,729	31,877
TOTAL													
Exist	189	414	408	1,011		189	414	408	1,011		189	414	408
Incr	9,928	6,028	17,184	33,140		9,928	6,028	17,184	33,140		9,928	6,028	17,184
Undev	40,325	10,849	34,577	85,751		40,325	10,849	34,577	85,751		40,325	10,849	34,577

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES  
REGIONAL STATE SUMMARIES  
VOL 3: MID-CONTINENT

STATE	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES										TOTAL		
	Small-Scale (.05-15 MW)			Intermediate (15-25 MW)			Large-Scale (Greater Than 25 MW)			(All Sizes)			
	Exist	Incr	Total	Exist	Incr	Total	Exist	Incr	Total	Exist	Incr	Total	
Colorado													
No. of Sites	10	167	53	230									
Cap. (MW)	49	229	177	455									
Ener (GWH)	275	660	423	1,358									
Kansas													
No. of Sites	1	64	184	249									
Cap. (MW)	2	61	183	246									
Ener (GWH)	10	117	382	509									
Montana													
No. of Sites	7	69	43	119									
Cap. (MW)	29	140	176	345									
Ener (GWH)	642	350	500	1,492									
Nebraska													
No. of Sites	11	39	19	69									
Cap. (MW)	16	37	30	83									
Ener (GWH)	50	121	139	310									
New Mexico													
No. of Sites	0	26	44	70									
Cap. (MW)	0	55	46	101									
Ener (GWH)	0	144	120	264									
N. Dakota													
No. of Sites	0	44	2	46									
Cap. (MW)	0	21	10	31									
Ener (GWH)	0	45	18	63									



TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES  
REGIONAL STATE SUMMARIES  
VOL 3: MID-CONTINENT (CONTINUED)

STATE	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES										TOTAL					
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total
Oklahoma																
No. of Sites	0	98	170	268	0	4	2	6	11	13	12	36	11	115	184	310
Cap. (MW)	0	49	178	227	0	87	44	131	1,029	1,494	797	3,320	1,029	1,630	1,019	3,678
Ener (GWH)	0	86	346	432	0	133	77	210	2,350	1,991	1,270	5,611	2,350	2,210	1,693	6,253
S. Dakota																
No. of Sites	8	23	4	35	0	0	0	0	4	3	1	8	12	26	5	43
Cap. (MW)	17	22	12	51	0	0	0	0	1,483	397	25	1,905	1,500	420	37	1,957
Ener (GWH)	69	65	33	167	0	0	0	0	6,056	832	38	6,926	6,125	898	72	7,095
Texas																
No. of Sites	9	196	129	334	2	1	8	11	5	4	22	31	16	201	159	376
Cap. (MW)	52	165	288	505	45	22	167	234	225	185	1,420	1,830	321	372	1,875	2,568
Ener (GWH)	212	372	854	1,438	149	7	457	613	542	240	3,149	3,931	903	619	4,461	5,983
Wyoming																
No. of Sites	8	53	18	79	3	3	20	26	4	9	30	43	15	65	68	148
Cap. (MW)	19	71	82	172	56	63	410	529	152	352	3,054	3,558	227	487	3,546	4,260
Ener (GWH)	114	178	259	551	280	92	871	1,243	606	587	6,372	7,565	1,000	858	7,502	9,360
Region																
Total																
No. of Sites	54	779	666	1,499	11	15	63	89	44	59	234	337	109	853	963	1,925
Cap. (MW)	184	850	1,182	2,216	218	317	1,311	1,846	6,087	6,589	27,376	40,052	6,488	7,758	29,868	44,114
Ener (GWH)	1,372	2,138	3,074	6,584	1,006	524	3,142	4,672	22,403	12,481	64,274	99,158	24,781	15,144	70,491	110,416



TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES  
REGIONAL STATE SUMMARIES  
VOL 4: LAKE CENTRAL

STATE	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES										TOTAL					
	Small-Scale (.05-15 MW)				Intermediate (15-25 MW)				Large-Scale (Greater Than 25 MW)				(All Sizes)			
	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total
Illinois																
No. of Sites	16	39	230	285	0	8	0	8	1	7	2	10	17	54	232	303
Cap. (MW)	100	52	169	321	0	145	0	145	32	533	89	654	132	730	259	1,121
Ener (GWH)	569	109	411	1,089	0	347	0	347	15	1,750	178	1943	584	2,206	589	3,379
Indiana																
No. of Sites	4	30	45	79	0	2	0	2	0	0	3	3	4	32	48	84
Cap. (MW)	28	58	61	147	0	37	0	37	0	0	383	383	28	96	444	568
Ener (GWH)	98	189	162	449	0	90	0	90	0	0	816	816	98	279	978	1,355
Iowa																
No. of Sites	3	25	37	65	0	1	0	1	1	12	3	16	4	38	40	82
Cap. (MW)	7	28	67	102	0	21	0	21	128	1,068	190	1,386	135	1,117	257	1,509
Ener (GWH)	36	81	200	317	0	39	0	39	805	3,468	408	4,681	841	3,588	608	5,037
Kentucky																
No. of Sites	0	52	23	75	0	2	0	2	4	30	10	44	4	84	33	121
Cap. (MW)	0	64	51	115	0	48	0	48	636	9,159	3,985	13,780	636	9,271	4,036	13,943
Ener (GWH)	0	183	121	304	0	88	0	88	2,259	24,547	11,697	38,503	2,259	24,818	11,819	38,896
Michigan																
No. of Sites	86	136	0	222	3	6	0	9	3	4	0	7	92	146	0	238
Cap. (MW)	283	303	0	586	52	121	0	173	151	709	0	860	486	1,133	0	1,619
Ener (GWH)	1,145	1,238	0	2,383	312	399	0	711	438	2,735	0	3,173	1,895	4,371	0	6,266
Minnesota																
No. of Sites	18	97	45	160	0	5	6	11	1	12	17	30	19	114	68	201
Cap. (MW)	91	63	146	300	0	100	125	225	67	825	755	1,647	158	989	1,027	2,174
Ener (GWH)	536	191	492	1,219	0	288	314	602	318	1,868	1,602	3,788	854	2,346	2,408	5,608

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES  
REGIONAL STATE SUMMARIES  
VOL 4: LAKE CENTRAL (Continued)

STATE	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES										TOTAL					
	Small-Scale (.05-15 MW)			Intermediate (15-25 MW)			Large-Scale (Greater Than 25 MW)			(All Sizes)						
	Exist	Incre	Total	Exist	Incre	Total	Exist	Incre	Total	Exist	Incre	Total				
Missouri	No. of Sites	2	31	93	126	11	8	2	4	9	17	30	7	42	118	167
	Cap. (MW)	5	22	227	254	215	154	45	577	1,301	868	2,746	598	1,368	1,249	3,215
	Ener (GWH)	17	61	643	721	539	357	88	1,272	4,154	1,739	7,165	1,383	4,303	2,740	8,426
Ohio	No. of Sites	0	68	18	86	7	0	7	0	2	1	3	0	77	19	96
	Cap. (MW)	0	105	47	152	153	0	153	0	56	43	99	0	314	90	404
	Ener (GWH)	0	308	131	439	323	0	323	0	134	70	204	0	768	201	969
Wisconsin	No. of Sites	75	123	60	258	18	2	10	3	12	6	21	84	145	68	297
	Cap. (MW)	220	219	158	597	357	40	205	98	387	239	724	429	812	437	1,678
	Ener (GWH)	1,038	768	699	2,505	1,088	92	462	368	858	870	2,096	1,940	2,087	1,661	5,688
Region Total	No. of Sites	204	601	551	1,356	69	16	43	17	88	59	164	231	732	626	1,589
	Cap. (MW)	734	914	926	2,574	1,374	319	1,374	1,689	14,038	6,552	22,279	2,602	15,830	7,799	26,231
	Ener (GWH)	3,439	3,128	2,859	9,426	3,827	763	2,124	5,475	39,514	17,380	62,336	9,854	44,766	21,004	75,624

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES  
REGIONAL STATE SUMMARIES  
VOL 5: SOUTHEAST

STATE	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES										TOTAL		
	Small-Scale (.05-15 MW)					Intermediate (15-25 MW)					Large-Scale (Greater Than 25 MW)		
	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total	Exist	Incr	Undev	Total	(All Sizes) Exist Incr Undev Total
Alabama													
No. of Sites	1	52	8	61	0	2	5	7	15	19	8	42	16 73 21 110
Cap. (MW)	2	70	49	121	0	41	108	149	2,269	4,010	424	6,703	2,271 4,121 581 6,973
Ener (GWH)	6	190	137	333	0	91	244	335	9,710	7,141	995	17,846	9,716 7,422 1,376 18,514
Arkansas													
No. of Sites	1	89	50	140	0	3	11	14	10	13	17	40	11 105 78 194
Cap. (MW)	11	51	143	205	0	67	218	285	1,069	2,768	5,874	9,711	1,080 2,886 6,235 10,201
Ener (GWH)	43	145	412	600	0	105	393	498	2,756	5,239	19,824	27,819	2,799 5,489 20,629 28,917
Florida													
No. of Sites	1	17	2	20	0	0	1	1	1	0	0	1	2 17 3 22
Cap. (MW)	0	45	10	55	0	0	20	20	30	0	0	30	30 45 30 105
Ener (GWH)	0	151	30	181	0	0	66	66	232	0	0	232	232 151 96 479
Georgia													
No. of Sites	5	61	31	97	6	1	9	16	15	6	33	54	26 68 73 167
Cap. (MW)	20	79	182	281	106	23	188	317	1,924	304	1,690	3,918	2,050 406 2,060 4,516
Ener (GWH)	87	316	538	941	311	52	518	881	3,525	501	4,892	9,218	4,223 869 5,948 11,040
Louisiana													
No. of Sites	0	19	5	24	0	0	0	0	1	4	6	11	1 23 11 35
Cap. (MW)	0	38	17	55	0	0	0	0	81	253	2,336	2,670	81 291 2,353 2,725
Ener (GWH)	0	110	55	165	0	0	0	0	215	618	7,141	7,974	215 728 7,196 8,139
Mississippi													
No. of Sites	0	50	38	88	0	1	1	2	0	2	1	3	0 53 40 93
Cap. (MW)	0	20	51	71	0	16	23	39	0	97	45	142	0 133 119 252
Ener (GWH)	0	71	137	208	0	65	54	119	0	192	87	279	0 328 278 606

TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES  
REGIONAL STATE SUMMARIES  
VOL 5: SOUTHEAST (Continued)

STATE	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES										TOTAL		
	Small-Scale (.05-15 MW)					Intermediate (15-25 MW)					Large-Scale (Greater Than 25 MW)		
	Exist	Incr	Undev	Total		Exist	Incr	Undev	Total		Exist	Incr	Undev
North Carolina													
No. of Sites	53	117	28	198		5	5	12	22		18	9	22
Cap. (MW)	72	162	160	394		103	86	259	448		1,762	405	1,134
Ener (GWH)	248	429	546	1,223		396	244	744	1,384		5,958	760	3,387
Puerto Rico													
No. of Sites	5	10	6	21		2	3	0	5		0	0	0
Cap. (MW)	28	37	13	78		36	55	0	91		0	0	0
Ener (GWH)	64	48	63	175		54	78	0	132		0	0	0
South Carolina													
No. of Sites	29	49	5	83		4	3	4	11		10	13	13
Cap. (MW)	88	61	34	183		76	54	80	210		1,368	513	1,061
Ener (GWH)	390	354	130	874		233	145	280	658		2,117	1,201	3,093
Tennessee													
No. of Sites	1	31	9	41		2	4	2	8		24	14	23
Cap. (MW)	11	47	70	128		39	80	45	164		2,046	3,142	7,149
Ener (GWH)	33	57	207	297		111	56	145	312		11,064	5,113	25,004
Virginia													
No. of Sites	14	71	83	168		0	7	9	16		4	7	23
Cap. (MW)	53	94	348	495		0	137	173	310		633	266	1,256
Ener (GWH)	129	318	1,094	1,541		0	349	419	768		532	701	3,037
Region Total													
No. of Sites	110	566	265	941		19	29	54	102		98	87	146
Cap. (MW)	285	704	1,077	2,066		360	559	1,114	2,033		11,182	11,758	20,969
Ener (GWH)	1,000	2,189	3,349	6,538		1,105	1,185	2,863	5,153		36,409	21,466	67,460
(All Sizes)													
Exist													
Incr													
Undev													
Total													





TABLE 2. PRELIMINARY INVENTORY OF HYDROELECTRIC POWER RESOURCES  
REGIONAL STATE SUMMARIES  
VOL 6: NORTHEAST (CONTINUED)

STATE	EXISTING, <sup>1</sup> POTENTIAL INCREMENTAL <sup>2</sup> AND UNDEVELOPED <sup>3</sup> CAPACITY RANGES										TOTAL		
	Small-Scale (.05-15 MW)			Intermediate (15-25 MW)			Large-Scale (Greater Than 25 MW)			(All Sizes)			Total
	Exist	Incr	Undev	Exist	Incr	Undev	Exist	Incr	Undev	Exist	Incr	Undev	
New York													
No. of Sites	123	251	43	11	15	11	9	40	11	143	306	65	514
Cap. (MW)	422	657	148	216	309	226	3,103	11,491	2,754	3,741	12,458	3,127	19,326
Ener (GWH)	2,155	2,250	539	799	976	563	20,581	70,227	17,211	23,535	73,453	18,313	115,301
Pennsylvania													
No. of Sites	0	138	58	0	6	4	4	19	26	4	163	88	255
Cap. (MW)	0	158	189	0	107	79	403	1,466	2,977	403	1,731	3,245	5,379
Ener (GWH)	0	452	567	0	252	170	1,681	3,618	6,969	1,681	4,322	7,706	13,709
Rhode Island*													
No. of Sites	2	105	NA	0	0	NA	0	0	NA	2	105	NA	107
Cap. (MW)	2	40	NA	0	0	NA	0	0	NA	2	40	NA	42
Ener (GWH)	6	139	NA	0	0	NA	0	0	NA	6	139	NA	145
Vermont*													
No. of Sites	44	155	NA	1	0	NA	2	0	NA	47	155	NA	202
Cap. (MW)	106	134	NA	16	0	NA	74	0	NA	197	134	NA	331
Ener (GWH)	436	472	NA	70	0	NA	317	0	NA	822	472	NA	1,294
W. Virginia													
No. of Sites	4	15	33	0	1	5	1	20	14	5	36	52	93
Cap. (MW)	46	18	132	0	23	95	102	2,929	958	148	2,969	1,184	4,301
Ener (GWH)	282	49	361	0	59	205	543	7,177	2,059	825	7,285	2,624	10,734
Region Total													
No. of Sites	270	2,231	143	19	26	20	27	85	58	316	2,342	221	2,879
Cap. (MW)	914	1,771	491	354	524	400	4,784	16,446	7,568	6,053	18,737	8,457	33,250
Ener (GWH)	4,620	6,009	1,531	1,613	1,533	938	26,276	81,898	28,610	32,508	89,440	31,078	153,025

<sup>1</sup>Existing hydroelectric power facilities currently generating power.

<sup>2</sup>Existing dams and/or other water resource projects with the potential for new and/or additional hydroelectric capacity.

<sup>3</sup>Undeveloped sites where no dam or other engineering structure presently exists.

\*Data on undeveloped sites in the New England states are not available (NA).

APPENDIX I

U.S. ARMY CORPS OF ENGINEERS

SUMMARY SHEET AND SITE SPECIFIC

LISTING OF HYDROELECTRIC POWER RESOURCES

BY STATE AND COUNTY

Arizona, California, Hawaii, Nevada and Utah

STATE OF ARIZONA



POTENTIAL INCREMENTAL CAPACITY RANGES									
	0-15 MW	15-25 MW	25-35 MW	35-45 MW	45-55 MW	55-65 MW	65-75 MW	75-85 MW	TOTAL
EXISTING HYDROPOWER DEVELOPMENT	0	0	0	0	0	0	0	0	0
ADDITIONAL POTENTIAL AT EXISTING DAMS	0	0	0	0	0	0	0	0	0
UNDEVELOPED POTENTIAL	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT

COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS

COLUMN 3 = UNDEVELOPED POTENTIAL

COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 1 AND 2)

COLUMN 5 = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)

COLUMN 6 = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF ARIZONA

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PROJ NUMBER	OWNER	LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE (1000 ACF)	MAXIMUM CAPACITY (1000 ACF)	ENERGY (KWH)
	(1)		(2)									(3)
COUNTY NAME: APACHE												
FERC POWER SUPPLY AREA 48 FERC REGIONAL OFFICE CODE SF												
INDIAN HILL	AZU1029	LITTLE COLORADO	0	ARIZ GAME	34 31.8	960.0	27.0	31.0	42.0	4.0	0.0	0.0
	SPL0001			FISH	109 21.0						.27	.4
LYMAN LAKE	AZ00004	LITTLE COLORADO	0	LYMAN WATER	34 21.9	790.0	22.0	59.0	60.0	30.0	0.0	0.0
	SPL0002			COMPANY	109 23.0						.42	.6
RESERVATION (LAK)	AZ10425	RESERVATION CREEK	0	WHITE MTN AP	33 50.4	7.0	4.0	35.0	47.0	6.0	0.0	0.0
	SPL0003			ACHE TRIBE	109 30.0						.05	.1
SUNRISE LAKE	AZ10472	WHITE RIVER	0	WHITE MTN AP	34 .6	6.0	4.0	33.0	45.0	15.0	0.0	0.0
	SPL0004			ACHE TRIBE	109 33.8						.08	.1
COUNTY NAME: COCHISE												
FERC POWER SUPPLY AREA 48 FERC REGIONAL OFFICE CODE SF												
BABOCONARI	AZU1017	RAHOCOMANI	0	ARIZ GAME	31 41.8	283.0	11.0	74.0	100.0	13.0	0.0	0.0
	SPL0005			FISH	110 12.0						.16	.4
EMERALD	AZU1018	SAN PEDRO	0	ARIZ GAME	31 42.0	31.0	9.0	41.0	56.0	2.0	0.0	0.0
	SPL0006			FISH	110 6.0						.14	.2
COUNTY NAME: COCONINO												
FERC POWER SUPPLY AREA 48 FERC REGIONAL OFFICE CODE SF												
JACKS CANYON	AZU0005	JACKS CANYON	0	ARIZ GAME	34 42.0	99.0	23.0	96.0	130.0	3.0	0.0	0.0
	SPL0007			FISH	111 6.0						.51	.7
CHEVELON	AZU0006	CHEVELON	0	ARIZ GAME	34 30.3	88.0	21.0	129.0	175.0	35.0	0.0	0.0
	SPL0008			FISH	110 49.7						.58	.8
BEAVER CANYON	AZU1027	BEAVER	0	ARIZ GAME	34 24.5	4.0	2.0	81.0	110.0	6.0	0.0	0.0
	SPL0009			FISH	111 0.0						.06	.1
PINE FLAT	AZU1030	BEAR CANYON	0	ARIZ GAME	35 0.0	30.0	9.0	52.0	70.0	28.0	0.0	0.0
	SPL0010			FISH	112 13.6						.19	.2
L E G E N D												

- (1) - TOP LINE IS INVENTORY OF DAMS, CROSS REFERENCE TO, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=CELESTIAL CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION,  
D=DEBRIS CONTROL, P=PANAMA POND, O=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY - WHEN INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY - TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF ARIZONA

PROJECT NAME	ID	NAME OF STREAM	PRQJ	NUMBER	CM RIVER	OWNER	LATITUDE	DRAINAGE	AREA	INFLW	HEAD	POWER	NET HEIGHT	MAXIMUM	STORAGE	CAPACITY	ENERGY
				(1)			(DM,N)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)	(3)			
COUNTY NAME: COCONINO																	
LOWER LAKE MARY	AZ00015	WALNUT CREEK	SR			CITY OF FLAG	35 6.7	119.0	27.0	38.0	45.0	9.0	0.0	0.0	0.0	0.0	0.0
	SPL0011					STAFF	111 35.0									0.17	0.4
BLUE RIDGE RESERVOIR	AZ00021	EAST CLEAK CREEK	ON			PHILIPS DODGE	34 33.3	71.0	11.0	130.0	167.0	20.0	0.0	0.0	0.0	0.0	0.0
	SPL0012					CORPORATION	111 11.0									0.0	0.0
CHEVELON CANYON	AZ00046	CHEVELON CREEK	R			ARIZ. GAME	34 30.7	88.0	21.0	80.0	108.0	10.0	0.0	0.0	0.0	0.0	0.0
	SPL0013					FISH DEPT.	110 49.4									0.75	0.7
WILLOW SPRINGS LAKE	AZ00088	WILLOW SPRINGS	R			ARIZONA GAME	34 19.4	5.0	1.0	62.0	80.0	5.0	0.0	0.0	0.0	0.0	0.0
	SPL0014					FISH	110 52.6									0.06	0.1
(LAKE POWELL) EN CANYON	AZ10307	COLORADO RIVER	MSRU	DU	USBR		36 56.2	111700.0	17850.0	480.0	579.0	28820.0	950.00	0.00	0.00	0.00	0.0
	SPL0015						111 29.0									0.0	0.0
COUNTY NAME: GILA																	
HOUSTON	AZ10113	HOUSTON CR	R			ARIZ. GAME	34 12.8	34.0	5.0	111.0	150.0	6.0	0.0	0.0	0.0	0.0	0.0
	SPL0016					FISH	111 14.8									0.10	0.2
SPRING CREEK	AZ10114	SPRING CREEK	R			ARIZ. GAME	34 7.3	150.0	35.0	111.0	150.0	36.0	0.0	0.0	0.0	0.0	0.0
	SPL0017					FISH	111 6.0									1.67	1.7
MINERAL CREEK CH DAM	AZ00006	MINERAL CREEK	C			KENNECOTT CU	33 13.2	92.0	28.0	133.0	162.0	11.0	0.0	0.0	0.0	0.0	0.0
	SPL0018					UPPER CORP.	110 59.6									1.32	1.8
BARTLETT RESERVOIR	AZ10306	VERDE RIVER	R			DU	33 49.1	6185.0	500.0	160.0	194.0	195.0	0.0	0.0	0.0	0.0	0.0
	SPL0019						111 37.9									11.99	35.7
THEODORE ROOSEVELT LAKE	AZ10317	SALT RIVER	R			DU	33 40.0	5760.0	850.0	199.0	244.0	1555.0	36.02	0.0	0.0	0.0	0.0
	SPL0020						111 10.0									34.07	36.1
L E G E N D																	

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, CROFLOOD CONTROL, NAVIGATION, SWATER SUPPLY, RECREATION,  
OBERIS CONTROL, FARM POND, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY  
(3) - UNINSTALLED CAPACITY AND ENERGY  
(3) - TOTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNDEVELOPED SITES



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF ARIZONA

PROJECT NAME	ID	NAME OF STREAM	PROJ#	LAITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	STORAGE	CAPACITY	ENERGY
	NUMBER	OR RIVER	PURP	LONGITUDE	AREA	ANNUAL	POWER	OF	OF	OF	(1000	(GWH)
	(1)		(2)	(DM,N)	(SQ MI)	(CFS)	(FT)	(FT)	(FT)	(AC FT)	(3)	(3)
COUNTY NAME: GRAMAM												
RATTLESNAKE	AZU1015	RATTLESNAKE	0	32 42.6	40.0	12.0	103.0	140.0	0.0	0.0	0.0	0.0
	SPL0021			110 18.0								
STOCKTON WASH RE	AZ00007	STOCKTON WASH	C	32 47.8	153.0	100.0	29.0	38.0	9.0	0.0	0.0	0.0
TARDING DAM	SPL0022			109 39.1								
COUNTY NAME: GREENLEE												
BLUE	AZU1016	BLUE RIVER	0	33 42.0	300.0	0.0	74.0	100.0	0.0	0.0	0.0	0.0
	SPL0023			109 6.0								
COUNTY NAME: MARICOPA												
(LAKE PLEASANT)	AZ00001	AGUA FRIA RIVER	IR	33 51.2	1459.0	0.0	130.0	171.0	185.0	0.0	0.0	0.0
WADDELL	SPL0024			112 16.1								
CAVE CREEK DAM	AZ00002	CAVE CREEK	C	33 43.5	161.0	5.0	41.0	53.0	14.0	0.0	0.0	0.0
	SPL0025			112 2.8								
GILLESPIE RESERVE	AZ00106	GILA RIVER	I	33 13.8	49650.0	100.0	16.0	21.0	260.0	0.0	0.0	0.0
DIR	SPL0026			112 46.1								
CAPACHE LAKE)	AZ10311	SALT RIVER	IR	33 36.0	5870.0	0.0	254.0	272.0	261.0	0.0	0.0	0.0
RSE MESA	SPL0027			111 21.0								
(CANYON LAKE)	AZ10313	SALT RIVER	IR	33 33.0	6030.0	0.0	121.0	142.0	50.0	0.0	0.0	0.0
RMON FLAT	SPL0028			111 26.0								
(SAHUARO LAKE)	AZ10318	SALT RIVER	IR	33 34.0	6211.0	1000.0	47.0	115.0	71.0	0.0	0.0	0.0
TEWART MOUNTAIN	SPL0029			111 32.0								

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=CELFLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION,  
O=DEBRIS CONTROL, P=PAVING, C=CEMENT, D=DEVELOPMENT  
(3) - ESTIMATED CAPACITY AND ENERGY: P=PAVING, C=CEMENT, D=DEVELOPMENT  
(3) - UNINSTALLED CAPACITY AND ENERGY: T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY: T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   A R I Z O N A

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PROJ. PURP. (1)	OWNER	LATITUDE (N, W, E)	LONGITUDE (E, S, W)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 GPM)	ENERGY CAPACITY (3)
COUNTY NAME: MOHAVE												
FERC POWER SUPPLY AREA 48   FERC REGIONAL OFFICE CODE SF												
CANNON GAP	AZU1022	PULL RUSH	U	AKIZ GAME	36 43.0	112 48.4	60.0	21.0	90.0	120.0	7.0	0.0
	SPL0030			FISH							.30	1.1
TROUT CREEK	AZU1023	TROUT CREEK	U	AKIZ GAME	35 0.0	113 20.2	607.0	14.0	277.0	375.0	28.0	0.0
	SPL0031			FISH							.53	.6
BURRO CREEK	AZU1024	BURRO CREEK	U	AKIZ GAME	34 33.5	113 29.9	636.0	14.0	52.0	70.0	12.0	0.0
	SPL0032			FISH							.10	.1
(LAKE MOHAVE) DAVIDSON CREEK	AZU1029	DAVIDSON CREEK	U	USBR	35 11.0	113 30.0	173300.0	0.0	114.0	134.0	1010.0	234.0
VIS	SPL5000				114 34.1						.0	.0
COUNTY NAME: NAVAJO												
FERC POWER SUPPLY AREA 48   FERC REGIONAL OFFICE CODE SF												
DIPPING VAT	AZU1028	SILVER CREEK	U	AKIZ GAME	34 24.0	110 0.0	140.0	93.0	50.0	68.0	4.0	0.0
	SPL0033			FISH							1.13	2.9
LOVE PINE	AZU0012	SHOW LOW CREEK	CI	SHOW LOW SIL	34 21.1	110 5.4	152.0	25.0	76.0	97.0	14.0	0.0
	SPL0034			VEN CREEK							.50	.8
(WHITE MOUNTAIN LAKE) DAGGS	AZU0013	SILVER CREEK	I	SHOW FLAKE	34 21.9	110 0.0	170.0	19.0	50.0	59.0	5.0	0.0
	SPL0035			TAYLOR INR.	110 0.0						.27	.4
(SHOW LOW LAKE) JAGUES DAM	AZU0023	SHOW LOW CREEK	SHO	PHILIPS DODGE	34 11.7	110 2.0	73.0	12.0	60.0	75.0	8.0	0.0
	SPL0036			CORP.							.21	.3
BLACK CANYON LAKE	AZU0004	EAST FORK OF BLACK CANYON CRK	U	AKIZ GAME	34 19.8	110 42.0	6.0	3.0	51.0	68.0	2.0	0.0
	SPL0037			FISH DEPT.	110 42.0						.00	.1
FOOL HOLLOW LAKE	AZU0051	SHOW LOW CREEK	R	AKIZ GAME	34 16.9	110 3.3	36.0	24.0	64.0	87.0	4.0	0.0
	SPL0038			FISH DEPT.	110 3.3						.47	1.0
L E G E N D												

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, COLDWATER CONTROL, NAVIGATION, SEWAGE SUPPLY, RECREATION,  
DEBRIS CONTROL, PEFARM POND, DUTHER  
(3) - E-INSTALLED CAPACITY AND ENERGY   N-NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
U-UNINSTALLED CAPACITY AND ENERGY   T-TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   A R I Z O N A

PROJECT NAME	IDNT * NUMBER * (1) *	NAME OF STREAM CR RIVER	PURP * (2) *	OWNER	*LATITUDE (DM,N)	*LONGITUDE (SD MI)	*DRAINAGE AREA (SQ MI)	*AVERAGE ANNUAL INFLU * (CFS)	*NET HEIGHT OF * HEAD * (FT)	*STORAGE CAPACITY * (1000 (GAL))	*ENERGY (3) *
COUNTY NAME: PIMA											
FERC POWER SUPPLY AREA #0   FERC REGIONAL OFFICE CODE SF											
BUSHMAN CANYON	AZU0000	BUSHMAN	0	ARIZ GAME	32 24.2	39.0	12.0	107.0	145.0	25.0	0.0
	SPL0039			FISH	110 32.5					.47	.6
TANQUE VERDE	AZU1000	TANQUE VERDE	0	ARIZ GAME	32 15.4	39.0	12.0	207.0	280.0	35.0	0.0
	SPL0040			FISH	110 39.2					.90	1.2
TANQUE VERDE	AZU1001	TANQUE VERDE	0	ARIZ GAME	32 15.0	26.0	8.0	103.0	140.0	20.0	0.0
	SPL0041			FISH	110 36.0					.30	.4
CIENAGA	AZU1002	CIENAGA CR	0	ARIZ GAME	31 6.0	215.0	9.0	100.0	135.0	19.0	0.0
	SPL0042			FISH	110 33.5					.16	.4
SABINO	AZU1045	SABINO	0	ARIZ GAME	32 21.4	31.0	9.0	185.0	250.0	10.0	0.0
	SPL0043			FISH	110 46.5					.60	.8
COUNTY NAME: PINAL											
FERC POWER SUPPLY AREA #0   FERC REGIONAL OFFICE CODE SF											
JERKY SPRING	AZU1042	JERKY SPRING	0	ARIZ GAME	33 26.4	12.0	4.0	116.0	160.0	8.0	0.0
	SPL0044			FISH	111 5.6					.16	.2
TORTOLITA	AZU1044	TORTOLITA	0	ARIZ GAME	32 42.0	50.0	15.0	52.0	70.0	5.0	0.0
	SPL0045			FISH	111 6.0					.29	.4
(LAGO DEL ORD)	AZU0003	CANADA DEL ORD	0	MAIL N MANCHA	32 32.9	48.0	15.0	101.0	127.0	11.0	0.0
OLDER	SPL0046			CORPORATION	110 51.0					.54	.7
FLORENCE RETARD	AZU0027	TRIGILA RIVER	0	F.A.F.C.O.	33 5.4	70.0	21.0	20.0	26.0	6.0	0.0
NG DAM	SPL0047				111 17.5					.13	.2
POWERLINE RETARD	AZU0002	HEEN'S WASH AND	0	ARICUPA CO	33 21.9	50.0	15.0	28.0	35.0	5.0	0.0
ING DAM	SPL0048	SIPHON DRAW		NTY	111 32.9					.16	.2
MAGMA DAM	AZU0003	MAGMA WASH	0	MAGMA FLOOD	33 9.5	62.0	19.0	18.0	24.0	8.0	0.0
	SPL0049			CUN. DIS.	111 25.2					.10	.1
LEGEND											

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, CEFLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
(3) - DEBRIS CONTROL, PEFISH POND, DEUTER  
(3) - E=INSTALLED CAPACITY AND ENERGY    N=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=UNINSTALLED CAPACITY AND ENERGY    T=TOTAL POTENTIAL CAPACITY AND ENERGY    (FOR UNDEVELOPED SITES)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF ARIZONA

PROJECT NAME	IDENT * NUMBER * (1)	NAME OF STREAM * CR RIVER	PROJ * PURP * (2)	OWNER	*LATITUDE * *LONGITUDE * (DM,M)	*DRAINAGE * *AREA * (SQ MI)	*ANNUAL * *INFLOW * (CFS)	*NET * *HEAD * (FT)	*STORAGE * *CAPACITY * (GAL)	*ENERGY
COUNTY NAME: PINAL										
(SAN CARLOS RESERVOIR) COOLIDGE	AZU1005	JOSEPHINE	0	ARIZ GAME	33 12.0	12886.0	269	152	194	1201.0
COUNTY NAME: SANTA CRUZ										
JOSEPHINE	AZU1005	JOSEPHINE	0	ARIZ GAME	33 12.0	12886.0	269	152	194	1201.0
TEMPORAL	AZU1007	TEMPORAL	0	ARIZ GAME	31 35.2	20.0	6	103	140	27.0
RED ROCK A	AZU1008	RED ROCK	0	ARIZ GAME	31 33.3	29.0	9	111	150	24.0
RED ROCK C	AZU1009	RED ROCK	0	ARIZ GAME	31 32.6	21.0	6	74	100	5.0
MARSHAW	AZU1012	MARSHAW	0	ARIZ GAME	31 44.3	18.0	6	67	90	6.0
LAKE PATAGONIA	AZU1012	MARSHAW	0	ARIZ GAME	31 44.3	18.0	6	67	90	6.0
COUNTY NAME: YAVAPAI										
COPPER CREEK	AZU1025	COPPER CREEK	0	ARIZ GAME	34 24.0	17.0	5	74	100	7.0
DATE CREEK	AZU1026	DATE CREEK	0	ARIZ GAME	34 14.4	91.0	20	81	110	10.0
APACHE CREEK	AZU1031	APACHE CREEK	0	ARIZ GAME	34 54.5	9.0	3	89	120	11.0

\*\*\*\*\*  
LEGEND  
\*\*\*\*\*  
(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
(3) - ESTIMATED CAPACITY AND ENERGY: PEAK FLOW, PEAK POND, GROSS  
(3) - ESTIMATED CAPACITY AND ENERGY: PEAK FLOW, PEAK POND, GROSS  
(3) - ESTIMATED CAPACITY AND ENERGY: PEAK FLOW, PEAK POND, GROSS



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF ARIZONA

PROJECT NAME	TUENT	NAME OF STREAM	PROJ#	AVERAGE	NET	HEIGHT	MAXIMUM	CAPACITY	ENERGY
	NUMBER	OR RIVER	PURP#	ANNUAL	POWER	OF	STORAGE	(MM)	(GWH)
	(1)		(2)	INFLON	HEAD	DAM	(1000	(3)	(3)
				(SQ MI)	(CFS)	(FT)	AC FT)		
COUNTY NAME: YAVAPAI				PERC POWER SUPPLY AREA 48	PERC REGIONAL OFFICE CODE	SF			
RATTLESNAKE	AZU1032	RATTLESNAKE CR	0	ARIZ GAME	34 46.2	13.0	4.	67.	9.
	SPL0060			FISH	111 35.8				.10
BLACK ROCK	AZU1034	ASH CREEK	0	ARIZ GAME	34 34.5	15.0	4.	59.	3.
	SPL0061			FISH	112 6.0				.11
SYCAMORE	AZU1035	SYCAMORE	0	ARIZ GAME	34 27.0	26.0	8.	153.	15.
	SPL0062			FISH	111 44.0				.48
BOX CANYON	AZU1037	MASSAYAMPA	0	ARIZ GAME	34 6.0	410.0	13.	70.	19.
	SPL0063			FISH	112 42.0				.28
WALNUT GROVE	AZU1038	MASSAYAMPA	0	ARIZ GAME	34 11.2	225.0	7.	44.	6.
	SPL0064			FISH	112 30.0				.09
ALGONQUIN	AZU1040	POLAND CR	0	ARIZ GAME	34 12.6	11.0	3.	74.	6.
	SPL0065			FISH	112 18.0				.10
TURKEY CREEK	AZU1041	TURKEY CREEK	0	ARIZ GAME	34 12.0	136.0	31.	111.	33.
	SPL0066			FISH	112 12.4				.57
WILLOW CREEK (REARZ00019)	AZU1041	WILLOW CREEK	IR	CHINO VALLEY	34 36.1	23.0	7.	57.	8.
SEVVOIR) DAM	SPL0067			IRR. DIST.	112 26.7				.18
GRANITE CREEK DAM	AZU1042	GRANITE CREEK	IR	CHINO VALLEY	34 35.7	34.0	6.	68.	5.
	SPL0068			IRR DIST	112 25.0				.07
LYNX LAKE	AZU1043	LYNX CREEK	IR	ARIZ. GAME	34 31.3	21.0	1084.	74.	1.
	SPL0069			FISH DEPT.	112 23.2				.19
HORSESHOE RESERVE	AZU10310	VERDE RIVER	IR	DOI USBR	33 58.9	5991.0	500.	123.	155.
DIR	SPL0070				111 42.7				8.17
									26.1

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=CELFLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION,  
O=DEBRIS CONTROL, P=PAVING POND, D=DOCK  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF ARIZONA

PROJECT NAME	IDEN * NUMBER *	NAME OF STREAM * CH RIVER *	PROJ * PUMP *	UNEN * (2) *	LATITUDE * (DM,M) *	DRAINAGE * AREA * (SQ MI) *	ANNUAL * INFLOW * (CFS) *	NET HEIGHT * PUMP * CF *	STORAGE * DAM * (1000 * (MM) *	CAPACITY * (3) * (3)	ENERGY * (3) *
COUNTY NAME: YUMA											
FERC POWER SUPPLY AREA 48 FERC REGIONAL OFFICE CODE SF											
(LAKE HAVASU)	PAZ10312	COLORADO RIVER	MP0	DOI USR	34 17.7	182700.0	15844.0	68.0	620.0	120.00	659.6
RKER	SPL0071				114 8.4					43.05	31.1
HEADGATE ROCK	AZ10437	COLORADO RIVER	HI	DOI BIA	34 10.1	178900.0	15515.0	20.0	23.0	0.0	0.0
	SPL0072				114 30.0					44.82	193.7

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, CEFLOOD CONTROL, NAVIGATION, SENATER SUPPLY, RECREATION, DEERHIS CONTROL, REFARM POND, OOTHEH
- (3) - E=INSTALLED CAPACITY AND ENERGY NENEN INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - U=INSTALLED CAPACITY AND ENERGY TETOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

STATE OF CALIFORNIA



- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE IO. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE IO.
- (2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, CEFLOOD CONTROL, NAVIGATION, SEAWATER SUPPLY, RECREATION, DISEASTS CONTROL, PEFARM POND, DODTHER
- (3) - ESTIMATED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

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( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJECT PURPOSE (2)	OWNER	LATITUDE (N)	LONGITUDE (W)	AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL FLOW (CFS)	NET HEAD (FT)	STORAGE CAPACITY (MGAL)	ENERGY (KWH)
COUNTY NAME: ANADIR												
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 8F												
SUNNIT CITY RESERVOIR	CA000293	NORTH FORK MONEL RIVER	SPK00019		38 30.0	120 9.0	96.0	85.0	1040.0	0.0	35.0	0.0
PARDEE RESERVOIR	CA000160	MONEL RIVER	SPK00019		38 15.4	120 51.0	570.0	984.0	327.0	337.0	210.0	15.00E 105.0
SILVER LAKE	CA00377	SILVER FORK	SPK00020		38 40.1	120 7.3	15.0	35.0	9.0	11.0	12.0	0.0
BEAR RIVER	CA00379	BEAR RIVER	SPK00021		38 33.5	120 12.9	20.0	55.0	65.0	76.0	7.0	0.0
SALT SPRINGS RESERVOIR	CA00362	N FORK MONEL RIVER	SPK00022		38 29.9	120 12.9	170.0	475.0	256.0	302.0	139.0	9.35E 50.0
LAKE TAREAUD	CA00383	JACKSON CREEK	SPK00023		38 20.9	120 39.9	544.0	984.0	1268.0	117.0	1.0	89.10E 347.2
TIGER CREEK FURNACE	CA00401	N FORK MONEL RIVER	SPK00024		38 26.0	120 30.2	262.0	520.0	1214.0	85.0	4.0	51.00E 353.2
ELECTRA DIVERSION	CA00404	N FORK MONEL RIVER	SPK00025		38 25.2	120 32.9	360.0	475.0	20.0	26.0	0.0	0.0
LOWER BEAR RIVER	CA00409	BEAR RIVER	SPK00026		38 32.3	120 15.3	32.0	55.0	2109.0	235.0	49.0	29.70E 125.6
ARROYO SECO	CA00613	TR DRY CR	SPK00027		38 21.3	120 59.9	2.0	5.0	54.0	63.0	2.0	0.0
JACKSON CR	CA00867	JACKSON CR	SPK00028		38 18.2	120 53.5	58.0	50.0	141.0	175.0	26.0	0.0
WEST POINT POWERHOUSE	CA00802	N FORK MONEL RIVER	SPK00029		38 25.0	120 32.9	-0.0	0.0	312.0	-0.0	0.0	13.60E 87.6

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
(3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDENT * NUMBER * (1)	NAME OF STREAM CR RIVER	PROJ * PUMP * (2)	LATITUDE * (DM,M)	DRAINAGE AREA (SQ MI)	UNNER	AVERAGE * ANNUAL * INFLOW * (CFS)	NET * HEIGHT * OF * DAM * (FT)	STORAGE * CAPACITY * (MH)	ENERGY * (GWH)
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
COUNTY NAME: BUTTE										
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
BALD ROCK NO. 5	CAU00049	MID FORK FEATHER		39 50.0	1112.0		1484.	710.	175.	10.0
	SPK0030	RIVER		121 16.0						310.44
BUTTE CREEK HOUSE	CAU00069	BUTTE CREEK		40 5.5	6.0		8.	74.	100.	10.0
	SPK0031			121 37.0						0.27
CASTLE ROCK	CAU00077	BUTTE CREEK		39 46.5	72.0		146.	132.	178.	100.0
	SPK0032			121 45.5						1.71
COVERED BRIDGE	CAU00096	BUTTE CREEK		39 43.6	147.0		409.	183.	248.	200.0
	SPK0033			121 42.5						19.09
FORMS OF BUTTE	CAU00127	BUTTE CREEK		39 54.0	10.0		18.	207.	280.	57.0
	SPK0034			121 53.0						1.45
GRIZZLY GULCH	CAU00142	BUTTE CREEK		40 3.0	69.0		140.	133.	180.	12.0
	SPK0035			121 53.0						1.69
JONESVILLE	CAU00147	BUTTE CREEK		40 6.0	69.0		160.	167.	167.	46.0
	SPK0036			122 29.5						2.83
QUARTZ HILL	CAU00250	FALL RIVER		39 30.0	10.0		18.	148.	200.	22.0
	SPK0037			121 11.5						1.15
SWAYNE	CAU00294	FRENCH CREEK		39 45.0	1164.0		1308.	1430.	380.	280.0
	SPK0038			121 23.0						515.02
SYCAMORE	CAU00297	DIG CREEK		39 48.5	72.0		146.	273.	370.	150.0
	SPK0039			121 44.0						13.35
FEATHER RIVER	CAU00034	FEATHER RIVER		CAL DEPT MAT 39 31.5	3624.0		5977.	26.	30.	1.0
	SPK0040			ER MES 121 32.7						38.96
DROVILLE DAM	CAU00035	FEATHER RIVER		IRSHC CAL DEPT MAT 39 32.1	3611.0		4800.	675.	634.	348.0
	SPK0041			ER MES 121 28.9						644.40
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
L E G E N D										

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: I=IMMIGRATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION,  
D=DEBRIS CONTROL, P=PEAK FLOW, O=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY    N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY    T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ# PUMP# (2)	UNHEM	LATITUDE (DM,M)	LONGITUDE (DM,M)	AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL POWER (KW)	NET HEAD (FT)	MAXIMUM STORAGE OF DAM (1000 (MM))	CAPACITY (3)	ENERGY (GWH)
COUNTY NAME: BUTTE													
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE 9F													
THERMALITO DIVER	CA00036	FEATHER RIVER	MI	3640.0	39 53.1	121 32.6	3640.0	4800.0	85.0	100.0	13.0	0.0	0.0
SION DAM	SPK0042			ER RES								4.00	26.0
THERMALITO FORER	CA00041	TRI CTYND CRK (FTH R	R	3610.0	39 51.6	121 36.0	3610.0	4955.0	102.0	61.0	11.0	115.00	270.0
AY	SPK0043	THR R UFTSM)		ER RES								32.70	59.0
THERMALITO AFTER	CA00042	FEATHER RIVER (UMH		3610.0	39 27.0	121 36.0	3610.0	4955.0	27.0	32.0	56.0	0.0	0.0
BAY	SPK0044	FFESTHEM)		ER RES								9.00	76.0
LOST CREEK	CA00268	LOST CREEK	M I	31.0	39 34.2	121 6.1	31.0	25.0	1495.0	112.0	6.0	52.20	297.1
	SPK0045			NDUTTE I D								0.0	0.0
SLY CREEK	CA00272	LOST CREEK	M I	24.0	39 34.9	121 6.9	24.0	25.0	213.0	250.0	65.0	0.0	0.0
	SPK0046			NDUTTE								2.95	6.3
FORBESTON DIVER	CA00273	S FK FEATHER RIVER	I	88.0	39 33.1	121 12.5	88.0	233.0	826.0	84.0	0.0	26.80	183.1
SION	SPK0047	ER		NDUTTE I D								0.0	0.0
PONDEROSA DIVERS	CA00274	S FK FEATHER RIVER	I	108.0	39 32.9	121 16.1	108.0	717.0	107.0	126.0	5.0	0.0	0.0
ION	SPK0048	ER		NDUTTE I D								5.22	13.9
MINERS RANCH RES	CA00275	THI N HONCUT CRK	M I	87.0	39 30.3	121 27.4	87.0	223.0	668.0	50.0	1.0	9.90	79.1
ERVOIR	SPK0049	(S F FTH RIV		NDUTTE I D								34.91	5.0
CONCO	CA00277	CONCO CREEK	M I	15.0	39 45.8	121 31.6	15.0	27.0	77.0	91.0	9.0	0.0	0.0
	SPK0050			ABLE HT I D								.92	1.2
MAGALIA	CA00296	LITTLE BUTTE CREEK	I S	11.0	39 48.4	121 34.9	11.0	20.0	75.0	88.0	3.0	0.0	0.0
	SPK0051	ER		DIST								.65	.9
PANADISE	CA00297	LITTLE BUTTE CREEK	I S	9.0	39 51.1	121 34.5	9.0	19.0	113.0	133.0	6.0	0.0	0.0
	SPK0052	ER		DIST								.61	.6
POE FOREBAY	CA00328	N FK FEATHER RIVER	M	1950.0	39 48.6	121 25.6	1950.0	3013.0	488.0	12.0	1.0	124.20	512.0
	SPK0053	ER		ELECT CO								0.0	0.0

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: I=IRRIGATION, M=HYDROELECTRIC, C=CEFFLOW CONTROL, N=NAVIGATION, S=SEWATER SUPPLY, R=RECREATION,  
O=OTHERS CONTROL, P=PAH POND, D=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY    M=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - UNINSTALLED CAPACITY AND ENERGY    T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT	NAME OF STREAM	PROJ#	LAITUDE	UNAGE	ANNUAL	NET	HEIGHT	MAXIMUM	STORAGE	CAPACITY	ENERGY
	NUMBER	CK RIVER	PUMP	(LONGITUDE)	AREA	INFLOW	POWER	OF	OF	(1000	(MW)	(GWH)
	(1)		(2)	(DM, M)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)	(3)	(3)
COUNTY NAME: BUTTE												
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF												
DE SABLE FOREBAY	CA00303	THI BUTTE CREEK	M	PACIFIC GAS	39 52.3	300.	1530.	50.	0.	18.45E	120.1	
	SPK0054			ELECT CO	121 36.5					98.84E	173.8	
PHILBROOK CREEK	CA00345	PHILBROOK CREEK	M	PACIFIC GAS	40 1.8	7.	60.	71.	5.	0.	0.	0.
	SPK0055			ELECT CO	121 28.5							
COAL CANYON POWER	CA00903	MIDCENE CANYON	M	PACIFIC GAS	39 36.5	328.	481.	0.	0.	0.	0.	0.
HOUSE	SPK0056			ELECT.	121 36.5							
CENTERVILLE POWER	CA00805	BUTTE CREEK	M	PACIFIC GAS	39 47.5	414.	577.	0.	0.	6.40E	43.8	
HOUSE	SPK0057			ELECT. CO.	121 39.8					0.	0.	0.
LIME SADDLE POWER	CA00128	BRANCH FEATHER	M	PACIFIC GAS	39 45.0	324.	482.	0.	0.	1.60E	11.0	
HOUSE	SPK0058	RIVER		ELECT.	121 35.0					0.	0.	0.
COUNTY NAME: CALAVERAS												
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF												
CEDAR RESERVOIR	CA00079	NORTH FORK CALAVERAS RIVER			36 14.4	83.0	133.	180.	40.	0.	0.	0.
	SPK0059				120 41.1					3.22E	6.3	
CHILI GULCH	CA00040	CHILI GULCH			38 14.4	5.0	118.	160.	17.	0.	0.	0.
	SPK0060				120 43.3							
COLLIERVILLE	CA00090	STANISLAUS RIVER			38 8.0	223.0	2470.	0.	120.	0.	0.	0.
	SPK0061				120 23.0					525.54E	923.5	
ESPERANZA RESERVOIR	CA00117	ESPERANZA CREEK			38 17.8	10.0	92.	124.	7.	0.	0.	0.
	SPK0062				120 31.5							
FOREST CREEK RESERVOIR	CA00125	FOREST CREEK			38 25.2	16.0	104.	148.	5.	0.	0.	0.
	SPK0063				120 24.1					1.93E	3.2	
FORKS RESERVOIR	CA00128	SOUTH FORK CALAVERAS RIVER			38 9.6	149.0	118.	160.	60.	0.	0.	0.
	SPK0064				120 40.5					16.81E	29.5	
L E G E N D												

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, BOTTOM CONTROL, NAVIGATION, SEWER SUPPLY, RECREATION,  
DEBRIS CONTROL, FISH PASSAGE, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO, HUTTON LINE DEFINES (U.S.A.C.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, DEBRIS CONTROL, FARM POND, OTHER
- (3) - ESTIMATED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

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IN THE STATE OF CALIFORNIA

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSES IRRIGATION, HYDROELECTRIC, C/FLOOD CONTROL, NAVIGATION, SWATER SUPPLY, WERECREATION,  
DEBRIS CONTROL, FISH POND, OTHER
- (3) - ESTIMATED CAPACITY AND ENERGY  
INHER INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - UNINSTALLED CAPACITY AND ENERGY  
TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

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( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDENT * NUMBER * (1) *	NAME OF STREAM OR RIVER *	PHUJ * PURP * (2) *	OWNER	*LATITUDE * (DM,N) *	*LONGITUDE * (WM,W) *	*DRAINAGE AREA (SQ MI) *	*AVERAGE ANNUAL * INFLOW * (CFS) *	*NET * HEIGHT * OF * DAM * (FT) *	*STORAGE CAPACITY * (MM) * (3) *	*ENERGY (GWH) * (3) *
COUNTY NAME: COLUSA											
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF											
FUNKS	*CAU0131*	FUNKS CRK	*I		*39 19.5		*15.0	*180.	*67.	*17.0	*0.0
	*SPA0088*				*122 16.5					*.70	*1.0
GOLDEN GATE	*CAU0130*	STONE CORRAL + F			*39 16.8		*36.0	*77.	*47.	*48.0	*0.0
	*SPA0009*	UNKS CREEK			*122 20.5					*1.20	*2.0
SITES RES	*CAU0275*	STONE CORRAL CRK + H			*39 16.8		*36.0	*186.	*225.	*1216.0	*0.0
	*SPA0090*				*122 20.5					*3.00	*7.6
EAST PARK RESERV	*CAU0145*	LITTLE STONY CREEK			*39 22.0		*102.0	*85.	*90.	*55.0	*0.0
OIR	*SPA0091*				*122 30.4					*2.30	*3.8
COUNTY NAME: CONTRA COSTA											
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF											
KELLOG	*CAU0172*	KELLOG CREEK			*37 48.6		*7.0	*3.	*104.	*170.	*0.0
	*SPA0092*				*121 43.6					*.08	*.1
SAN PABLO RESERV	*CAU0166*	SAN PABLO CREEK			*37 56.6		*32.0	*18.	*152.	*155.	*0.0
IOR	*SPA0006*				*122 15.5					*.55	*.7
BRIONES RESERV	*CAU0172*	BEAR CREEK			*37 54.6		*8.6	*3.	*222.	*261.	*0.0
R	*SPA0007*				*122 12.5					*.20	*.3
MARSH CRK	*CAU0089*	MARSH CR			*37 53.4		*52.0	*9.	*40.	*47.	*0.0
	*SPA0093*				*121 43.4					*.16	*.1
COUNTY NAME: EL DORADO											
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF											
AUKUM RESERVOIR	*CAU0046*	SOUTH FORK COSUMES RIVER			*38 33.0		*56.0	*47.	*176.	*184.	*0.0
	*SPA0094*				*120 44.0					*2.97	*5.8
BAKERS FORD	*CAU0044*	MIDDLE FORK COSUMES RIVER			*38 37.5		*66.0	*76.	*81.	*110.	*0.0
	*SPA0095*				*120 41.1					*2.09	*4.1

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, CEFLOW CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
WATER CONTROL, PUMP, POND, DITCH  
(3) - ESTIMATED CAPACITY AND ENERGY   NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY   TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDENT NUMBER	NAME OF STREAM	CR RIVER	PROJ. PURP. (2)	OWNER	PLATITUDE (DM,M)	LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (3)	ENERGY (GWH)
COUNTY NAME: EL DORADO													
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE 9F													
BRIDGEPORT RESERVOIR	CAU00064	SOUTH FORK CUSUM				38 32.7	120 43.5	536.0	481	49	36	0	0
	SPK0096	WES RIVER				120 43.5						3.11	12.5
CAPPS CROSSING	CAU0074	NORTH FORK CUSUM				38 38.2	120 22.6	19.0	53	140	25	0	0
	SPK0097	WES RIVER				120 22.6						1.61	2.8
CASE VALLEY RESERVOIR	CAU0075	SOUTH FORK CUSUM				38 51.0	120 52.6	6.0	16	145	16	0	0
	SPK0098	WES RIVER				120 52.6						.68	1.6
COLONA AFTERBAY	CAU0091	SOUTH FORK AMERI				38 47.0	120 53.0	631.0	1341	40	2	0	0
	SPK0099	CAN RIVER				120 53.0						5.03	21.7
COLONA RESERVOIR	CAU0092	SOUTH FORK AMERI				38 47.0	120 52.0	616.0	1310	160	0	0	0
	SPK0100	CAN RIVER				120 52.0						64.78	139.1
EL DORADO	CAU0116	SOUTH FORK AMERI				38 46.7	120 57.8	449.0	676	1900	240	0	0
	SPK0101	CAN RIVER				120 57.8						457.09	843.1
FURNI SOUTH FORK RESERVOIR	CAU0129	SOUTH FORK AMERI				38 47.0	120 10.0	64.0	57	111	2	0	0
	SPK0102	CAN RIVER				120 10.0						2.07	4.0
INDIAN CREEK RESERVOIR	CAU0155	HEREN CREEK				38 44.0	120 56.0	214.0	209	200	6	0	0
	SPK0103					120 56.0						14.63	25.9
KYBURZ	CAU0178	SOUTH FORK AMERI				38 46.0	120 19.5	108.0	160	1055	0	0	0
	SPK0104	CAN RIVER				120 19.5						73.52	109.6
MICHIGAN BAR	CAU0203	CUSUMNES RIVER				38 30.0	121 3.0	536.0	481	78	84	0	0
	SPK0105					121 3.0						2.57	10.3
MIDDLE END WESERVOIR	CAU0206	NORTH FORK CUSUM				38 40.5	120 52.2	43.0	58	135	7	0	0
	SPK0106	WES RIVER				120 52.2						1.67	3.2
PARK CREEK RESERVOIR	CAU0237	PARK CREEK				38 44.0	120 29.0	10.0	23	1850	7	0	0
	SPK0107					120 29.0						17.44	27.5

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, CEFLUOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, SEDIMENT CONTROL, PESTICIDE FUMIGATION, GEOTHERM  
(3) - ESTIMATED CAPACITY AND ENERGY    NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
      TOTAL POTENTIAL CAPACITY AND ENERGY    TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PUMP (2)	LATITUDE (N)	LONGITUDE (W)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLUX (CFS)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 AC FT)	MAXIMUM ENERGY (GWH)
COUNTY NAME: EL DORADO											
PI PI	CAU0243	MIDDLE FORK COSUMES RIVER		36 34.3	120 25.5	45.0	88.0	250.0	294.0	70.0	0.0
	SPK0106	WILKES RIVER		36 34.3	120 25.5	45.0	88.0	250.0	294.0	70.0	0.0
PLUM CREEK RESERVOIR	CAU0247	PLUM CREEK		36 45.0	120 25.0	5.0	13.0	1550.0	170.0	0.0	0.0
	SPK0109			36 45.0	120 25.0	5.0	13.0	1550.0	170.0	0.0	0.0
SALMON FALLS	CAU0263	SOUTH FORK ANERIE		36 46.0	121 1.0	807.0	1710.0	235.0	250.0	112.0	0.0
	SPK0110	CAN RIVER		36 46.0	121 1.0	807.0	1710.0	235.0	250.0	112.0	0.0
SALMON FALLS AFT. CAU0263	CAU0263	SOUTH FORK ANERIE		36 47.0	121 2.0	687.0	1460.0	44.0	60.0	1.0	0.0
	SPK0111	CAN RIVER		36 47.0	121 2.0	687.0	1460.0	44.0	60.0	1.0	0.0
SALMON FALLS (AL. CAU0265)	CAU0265	SOUTH FORK ANERIE		36 50.0	120 57.0	673.0	1431.0	450.0	0.0	7.0	0.0
	SPK0112	CAN RIVER		36 50.0	120 57.0	673.0	1431.0	450.0	0.0	7.0	0.0
SILVER FORK PH	CAU0273	SOUTH FORK ANERIE		36 46.0	120 19.5	180.0	267.0	1590.0	0.0	0.0	0.0
	SPK0113	CAN RIVER		36 46.0	120 19.5	180.0	267.0	1590.0	0.0	0.0	0.0
SOPIAGO RESERVOIR	CAU0276	SOPIAGO CREEK		36 34.0	120 51.2	11.0	25.0	115.0	155.0	12.0	0.0
	SPK0114			36 34.0	120 51.2	11.0	25.0	115.0	155.0	12.0	0.0
SQUAW HOLLOW RESERVOIR	CAU0267	SQUAW HOLLOW CREEK		36 40.3	120 45.0	6.0	16.0	63.0	85.0	5.0	0.0
	SPK0115			36 40.3	120 45.0	6.0	16.0	63.0	85.0	5.0	0.0
TEXAS HILL RESERVOIR	CAU0301	WEBER CREEK		36 42.0	120 47.0	24.0	40.0	150.0	170.0	22.0	0.0
	SPK0116			36 42.0	120 47.0	24.0	40.0	150.0	170.0	22.0	0.0
VAN WINKLE	CAU0309	SOUTH FORK ANERIE		36 42.0	120 12.0	37.0	100.0	1600.0	0.0	0.0	0.0
	SPK0117	CAN RIVER		36 42.0	120 12.0	37.0	100.0	1600.0	0.0	0.0	0.0
VOLCANO RESERVOIR	CAU0311	SUTTER CREEK		36 25.4	120 40.9	40.0	36.0	155.0	210.0	15.0	0.0
	SPK0118			36 25.4	120 40.9	40.0	36.0	155.0	210.0	15.0	0.0
WEBBER (ENLARGED)	CAU0317	WEBBER CREEK		36 42.9	120 41.3	8.0	18.0	124.0	168.0	6.0	0.0
	SPK0119			36 42.9	120 41.3	8.0	18.0	124.0	168.0	6.0	0.0

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, SEWAGE SUPPLY, RECREATION, DEBRIS CONTROL, FARM POND, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	PROJECT NUMBER (1)	NAME OF STREAM OR RIVER	PROJECT PURPOSE (2)	DRAINAGE AREA (SQ MI)	LONGITUDE (DM M)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW)	ENERGY (3)
COUNTY NAME: EL DORADO										
MEHLEN	CA0022	MEHLEN CREEK	I	10.0	36 43.0	17.0	72.0	85.0	1.0	0.0
	SPK0120				120 41.4				.46	.8
ECHO LAKE	CA0037	TRINITY UPPER TRUCKEE RIVER	H	33.0	36 50.1	68.0	5.0	6.0	2.0	0.0
	SPK0121				120 2.6				.17	.3
EL DORADO FOREMAN	CA0037	ELING CANYON	H	217.0	38 46.2	322.0	190.0	82.0	0.0	20.00
	SPK0122				120 35.1				247.31	300.6
CHILI BAN	CA0041	FRANKLIN CANYON	S	600.0	36 46.3	1583.0	60.0	60.0	4.0	7.02
	SPK0123				120 48.7				0.0	0.0
STUMPY MEADOWS RESERVOIR	CA0007	PILOT CR	I	12.0	36 54.2	26.0	124.0	152.0	20.0	0.0
	SPK0124				120 36.2				.99	1.7
ICE HOUSE RESERVOIR	CA0014	SILVER CR	S	27.0	38 49.3	76.0	112.0	132.0	46.0	0.0
	SPK0125				120 21.6				0.0	0.0
JUNCTION RESERVOIR	CA0015	SILVER CR	H	142.0	36 51.2	248.0	153.0	150.0	3.0	133.00
	SPK0126				120 27.2				0.0	0.0
UNION VALLEY RESERVOIR	CA0016	SILVER CR	H	167.0	36 52.0	248.0	420.0	425.0	271.0	33.25
	SPK0127				120 26.3				0.0	0.0
CANINE RESERVOIR	CA0017	SILVER CR	S	250.0	36 49.0	44.0	106.0	56.0	1.0	142.50
	SPK0128				120 32.1				0.0	0.0
GERLE	CA0018	BEWLE CR	S	24.0	36 58.3	132.0	41.0	48.0	1.0	0.0
	SPK0129				120 23.5				0.0	0.0
HOBBS PEAK	CA0019	FRANKLIN CANYON	H	83.0	38 56.0	123.0	356.0	31.0	0.0	23.75
	SPK0130				120 23.3				0.0	0.0
LOON LAKE	CA0020	BEWLE CR	S	8.0	36 59.2	25.0	113.0	100.0	77.0	74.10
	SPK0131				120 16.0				0.0	0.0

\*\*\*\*\*  
LEGEND  
\*\*\*\*\*  
(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=CONTROL, N=NAVIGATION, S=SEWAGE SUPPLY, R=RECREATION,  
O=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY  
(4) - UNINSTALLED CAPACITY AND ENERGY  
(5) - INSTALLED CAPACITY AND ENERGY  
(6) - TOTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(7) - UNDEVELOPED SITES (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDNT	NAME OF STREAM	PROJ#	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	CAPACITY	ENERGY
	NUMBER	OR RIVER	PURPOSE	AREA	ANNUAL	POWER	OF	STORAGE	(MWH)	(GWH)
	(1)		(2)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)	(3)
COUNTY NAME: EL DORADO										
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF										
BUCK ISLAND RESF	CA00021	LITTLE RUBICON	DHSH	SACRAMENTO	M 39	.2	15	1.5E	0.5E	0.
HYDIN	SPK0132			UD				N	.34E	.7
RUBICON RESERVOIR	CA00022	RUBICON R	S D	SACRAMENTO	M 38	59.3	30	1.5E	0.5E	0.
M	SPK0133			UD				N	.75E	1.2
SLAB CRK	CA00023	S F AMERICAN R	S D	SACRAMENTO	M 38	46.4	213	17.5E	190.00E	618.6
	SPK0134			UD				N	0.	0.
BRUSH CRK	CA00024	BRUSH CR	S D	SACRAMENTO	M 38	28.2	205	2.5E	0.5E	0.
	SPK0135			UD				N	1.31E	2.1
JENKINSON LAKE (SLYPARK DAM)	CA00027	SLYPARK CREEK	DUIS	UD				44.5E	0.5E	0.
SLYPARK DAM	SPK0136	FFSTREAN						N	1.60E	2.8
COUNTY NAME: FRESNO										
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF										
ALCALDE MANCH	CA00037	WATMAN CRK						0.5E	0.5E	0.
	SPK0137							T	.11E	.1
CEDAR GROVE	CA00076	SOUTH FORK KINGS						80.5E	0.5E	0.
	SPK0138	MIVEN						T	588.79E	687.2
DINKEY MEADOW SERVOIR	CA00109	DINKEY CREEK						60.5E	0.5E	0.
	SPK0139							T	196.26E	229.1
JACALITOS	CA00162	JACALITOS CRK						0.5E	0.5E	0.
	SPK0140							T	.34E	.5
JUNCTION RESERVOIR	CA00169	KINGS RIVER	H					1.5E	0.5E	0.
IR	SPK0141							T	162.54E	189.7
KELLERS MANCH	CA00171	KINGS RIVER						133.5E	0.5E	0.
	SPK0142							T	201.31E	404.1

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: I=IRRIGATION, ME=MECHANICAL, CE=CELUOSIDIC, C=CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION,  
D=DEWIS CONTROL, P=PEAK POND, D=DEUTER  
(3) - ESTIMATED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	ID#	NAME OF STREAM	PROJ#	LONGITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	CAPACITY	ENERGY
				(DM, N)	AREA (SQ MI)	ANNUAL INFLOW (CFS)	POWER (FT)	OF DAM (FT)	STORAGE (1000 AC FT)	(MW) (3)	(GWH) (3)
COUNTY NAME: Fresno											
LITTLE DRY CREEK	CA00105	LITTLE DRY CREEK	I	36 56.6	40.0	2000	123	131	36	0	0
	SPK0143			119 41.4						0.62	4.3
MILL CREEK	CA00200	MILL CRK		36 46.0	127.0	174	222	300	355	0	0
	SPK0144			119 22.0						20.81	24.3
NUNEZ RANCH	CA00223	LOS GATOS CRK		36 13.0	94.0	4	125	167	0	0	0
	SPK0145			120 27.5						0.11	1
OWEN MOUNTAIN RESERVOIR	CA00231	LITTLE DRY CREEK		36 58.9	40.0	70	285	340	750	0	0
	SPK0146			119 40.0						4.69	8.8
MOSS	CA00259	DINKEY CREEK		36 59.0	89.0	143	1100	0	54	0	0
	SPK0147			119 7.0						48.07	107.7
TEMPITE	CA00299	MIDDLE FORK KING		36 51.0	291.0	409	1710	0	24	0	0
	SPK0148	S RIVER		118 52.0						367.83	429.1
BALCH DIVERSION	CA00335	N. F. KING'S RIVER		36 53.2	233.0	307	2389	108	1	128.20	613.6
	SPK0149			119 1.3						0	0
BALCH AFTERWAY	CA00336	N F KING'S RIVER		36 54.4	50.0	387	1412	104	0	44.10	207.9
	SPK0150			119 6.0						0	0
WISHON	CA00411	N F KING'S RIVER		37 1	181.0	362	2450	250	128	135.00	517.5
	SPK0151			118 58.2						0	0
COURTHRIGHT MESERVOIR	CA00412	HELPS CREEK		37 4.3	40.0	76	1034	307	123	0	0
	SPK0152			118 57.9						1050.00	1000.0
HEAR CREEK DIVERSION	CA00420	HEAR CREEK		37 20.1	54.0	90	42	49	0	0	0
	SPK0153			118 58.4						1.38	2.5
BIG CREEK NO 5	CA00431	GIG CREEK		37 12.0	125.0	74	40	47	0	0	0
	SPK0154			119 18.7						0.55	1.8

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, CAPLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
DEEDS CONTROL, PEPAR POND, GEOTHER  
(3) - ESTIMATED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ. PUMP (2)	OWNER	LATITUDE (NAD 83)	LONGITUDE (NAD 83)	AREA (SQ MI)	ANNUAL INFLU (CFS)	AVERAGE ANNUAL FLOW (CFS)	NET HEAD (FT)	STORAGE DAM (1000 (3))	CAPACITY (3)	ENERGY (3)
COUNTY NAME: GLENN													
CLARK VALLEY	CA0003	FR. WILLOW CREEK			39 32.5	122 23.0	39.0	79.0	69.0	94.0	6.0	0.0	0.0
	SPK0166											1.04	3.0
HIGH PEAK	CA0014	HUNTERS CREEK			39 23.5	122 20.0	17.0	34.0	54.0	60.0	11.0	0.0	0.0
	SPK0177											.70	1.0
MANCHERIA	CA0025	STONY CREEK			39 39.0	122 23.5	597.0	336.0	296.0	400.0	5040.0	0.0	0.0
	SPK0160											44.41	48.0
SQUAW FLAT	CA0025	LOGAN CREEK			39 28.5	122 20.0	21.0	43.0	44.0	60.0	6.0	0.0	0.0
	SPK0169											.63	1.0
STONY GORGE RESE.	CA0019	STONY CREEK			39 35.1	122 31.9	301.0	303.0	113.0	119.0	59.0	0.0	0.0
	SPK0170											16.08	30.2
COUNTY NAME: HUMBOLDT													
SEQUOIA	CA0010	DEER RIVER			40 1.9	123 4.7	2220.0	4795.0	455.0	615.0	5000.0	0.0	0.0
	SPK0006											691.84	1315.9
LARABEE	CA0020	FR. VAN DUZEN			40 2.7	123 4.0	56.0	205.0	148.0	200.0	70.0	0.0	0.0
	SPK0009											2.43	4.5
YAGER	CA0023	YAGER CREEK			40 3.4	124 0.0	115.0	294.0	145.0	200.0	120.0	0.0	0.0
	SPK0010											37.60	55.8
COUNTY NAME: IMPERIAL													
IMPERIAL OVERST.	CA0159	COLCHAUD			32 33.0	114 20.0	167000.0	11250.0	17.0	23.0	90.0	0.0	0.0
	SPK0073											59.70	120.4
(SENATOR WASH RE.)	CA0107	SENATOR WASH OFF-ONR			32 34.7	114 20.7	1.0	1.0	30.0	39.0	18.0	0.0	0.0
SERVICIR ) NORTH	SPK0074	STREAM										1.82	.0
LEGEND													

- (1) - TOP LINE IS INVENTORY OF DAMS OR IS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, SENATOR SUPPLY, RECREATION,  
(3) - ESTIMATED CAPACITY AND ENERGY: SENATOR SUPPLY, RECREATION, SENATOR SUPPLY, RECREATION, SENATOR SUPPLY, RECREATION  
(3) - ESTIMATED CAPACITY AND ENERGY: SENATOR SUPPLY, RECREATION, SENATOR SUPPLY, RECREATION, SENATOR SUPPLY, RECREATION  
(3) - ESTIMATED CAPACITY AND ENERGY: SENATOR SUPPLY, RECREATION, SENATOR SUPPLY, RECREATION, SENATOR SUPPLY, RECREATION



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT #	NAME OF STREAM	PUMP	WATER	LATITUDE	DRAINAGE AREA	AVERAGE ANNUAL INFLUEN	NET HEAD	HEIGHT OF DAM	STORAGE	CAPACITY	ENERGY
	(1)	CM RIVER	(2)		(DM.M)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)	(GWH)
COUNTY NAME: IMPERIAL												
SENATOR WASH (HE)	CA10105	SENATOR WASH	ALS	OHK	32 53.4	1.0	1.0	61.0	78.0	18.0	7.20E	3.6
SERVOIR	SPL5001.0	OFFSTREAM			114 28.5						0.0	0.0
SENATOR WASH RES	CA10191	SENATOR WASH	OFF	OHK	32 54.5	1.0	1.0	50.0	60.0	18.0	0.0	0.0
SERVOIR-SQUAW LAK	SPL0075	STREAM			114 28.7						0.0	0.0
COUNTY NAME: INYO												
HAIWEE	CA00002	ROUSE VALLEY	S		36 8.2	89.0	43.0	55.0	65.0	59.0	5.60E	35.0
	SPL0076				117 56.9						0.0	0.0
TINEMAH	CA00004	OWENS RIVER	S		37 3.5	1915.0	379.0	28.0	33.0	16.0	0.0	0.0
	SPL0077				118 13.5						1.65E	7.7
PLEASANT VALLEY	CA00098	OWENS RIVER	M S		37 24.8	574.0	293.0	65.0	76.0	4.0	3.20E	11.0
	SPL0078				118 31.2						0.0	0.0
COUNTY NAME: KERN												
ANT HILL	CA00000	KERN RIVER			35 26.0	2420.0	160.0	174.0	0.0	70.0	0.0	0.0
	SPK0171				118 53.0						2.59E	6.3
CANEBAKE	CA00072	CANEBAKE CREEK			35 43.1	29.0	14.0	74.0	100.0	5.0	0.0	0.0
	SPK0172				118 4.1						0.0	0.0
KELSO	CA00174	KELSO CREEK			35 33.8	63.0	31.0	44.0	60.0	6.0	0.0	0.0
	SPK0173				118 14.5						0.0	0.0
UNYX	CA00230	SOUTH FK KERN RIVER			35 43.8	475.0	98.0	1610.0	0.0	72.0	0.0	0.0
	SPK0174	VER			118 10.1						52.07E	88.9
POSO	CA00240	PUSO CRK			35 31.5	230.0	121.0	96.0	96.0	0.0	0.0	0.0
	SPK0175				118 56.0						3.05E	6.8

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, CEFLOOD CONTROL, NAVIGATION, SENATE SUPPLY, RECREATION,  
DROEDRIS CONTROL, PEFARM FOND, DROTHEN  
(3) - ESTIMATED CAPACITY AND ENERGY NEMEM INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - USINSTALLED CAPACITY AND ENERGY TETOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, DEBRIS CONTROL, PUMP POND, OTHER  
(3) - INSTALLED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT	NAME OF STREAM	PROJ. NUMBER	OWNER	LONGITUDE (N.M.)	AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET HEAD (FT)	STORAGE CAPACITY (1000 AC FT)	ENERGY (KWH)
KELSEYVILLE LAKE	CAU0173	KELSEY CREEK	SPK0147		38 55.9	43.0	87	97	131	0.50
KENNEDY FLATS	CAU0175	CACHE CREEK	SPK0188		38 57.0	800.0	364	405	548	2300
LAKEPORT LAKE	CAU0179	SCOTT'S CREEK	SPK0149		39 2.5	52.0	58	146	198	55
NOVES	CAU0222	PUTAH CREEK	SPK0190		38 46.5	113.0	210	188	255	110
PITNEY RIDGE	CAU0246	MIDDLE CREEK	SPK0191		39 11.0	8.0	16	47	64	5
PUTAH CREEK CANYON	CAU0249	PUTAH CREEK	SPK0192		39 48.0	113.0	169	63	85	6
WILSON VALLEY	CAU0321	CACHE CREEK	SPK0193		38 57.0	800.0	364	370	377	1000
LAKE PILLSBURY (SCOTT)	CAU0398	HEEL RIVER	SPN0011	PACIFIC GAS & ELECT CO	39 24.4	289.0	520	100	118	94
DETERTY LAKE	CAU0564	HUCKSNOOT CR	SPK0194	S D I MAGDOON ESTATE	39 43.5	10.0	13	34	40	3
COVOTE CR	CAU0572	COVOTE CR	SPK0195	ES LTD	38 48.6	6.0	12	71	64	3
HIGHLAND CRK	CAU0628	HIGHLAND CR	SPK0196	BOISE CASCADE E PROP. INC.	38 56.9	14.0	27	54	63	4
CLEAR LAKE IMP	CAU0911	CACHE CR	SPK0197	LAKE CTV FCM	38 55.4	528.0	366	26	30	420

\*\*\*\*\*  
LEGEND  
\*\*\*\*\*  
(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - INSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, C/FLOOD CONTROL, NAVIGATION, SEWATER SUPPLY, RECREATION, DEBRIS CONTROL, FISH POND, OTHER
- (3) - INSTALLED CAPACITY AND ENERGY WHEN INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	ID#	NAME OF STREAM	PROJ#	LONGITUDE	AREA	ANNUAL INFLW	NET POWER	HEIGHT	MAXIMUM	ENERGY
	(1)	CR RIVER	(2)	(30 MI)	(SQ MI)	(CFS)	(FT)	(AC FT)	(3)	(3)
COUNTY NAME: LASSEN										
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF										
*****										
LAKE LEAVITT	CA00516	SUSAN RIVER	S I	40 22.6	9.0	20.	13.	14.8E	0.8E	0.
	SPK0210		CU	120 30.4					.09N	.2
*****										
MCCOY FLAT RESERVOIR	CA00517	SUSAN RIVER	S I	40 27.2	110.0	100.	14.	17.8E	0.8E	0.
	SPK0211		CU	120 56.5					.18N	1.0
*****										
HEATH RESERVOIR	CA00525	SLATE CR	D I	40 50.5	22.0	156.	34.	9.8E	0.8E	0.
	SPK0212			120 47.1					.92N	3.8
*****										
TULE LAKE	CA00956	CEDAR CR	S I	40 55.0	82.0	26.	8.	40.8E	0.8E	0.
	SPK0213		SET L+U COMP	120 22.0					.06N	.1
*****										
MAT CREEK NO.1	CA00031	HAT CREEK	M	40 55.0	-0.	0.	217.	0.8E	10.00E	19.3
	SPK0214		PG AND E	121 32.5					.0.	0.
*****										
COUNTY NAME: LOS ANGELES										
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF										
*****										
JACKASS MEADOW	CA00164	JACKASS CREEK	CR	37 28.6	11.0	14.	175.	0.	95.8U	0.
	SPK0215			119 18.0					.73N	1.7
*****										
CATAIC	CA00044	CATAIC CR	I R	34 31.2	154.0	41.	272.	320.	324.8E	56.00E
	SPK0079		ER RES	118 36.2					.0.	0.
*****										
PYRAMID	CA00052	PIRU CREEK	I R	34 38.7	293.0	125.	303.	358.	171.8E	0.8E
	SPK0080		ER RES	118 45.8					.6.12N	9.2
*****										
LOWER SAN FERNANDO	CA00076	SAN FERNANDO CREEK	S	34 17.1	13.0	8.	112.	132.	21.8E	0.8E
	SPK0061		ANGELES	118 28.7					.24N	.3
*****										
BOUQUET CANYON	CA00088	BOUQUET CREEK	S	34 32.4	14.0	8.	149.	175.	37.8E	0.8E
	SPK0082		ANGELES	118 23.0					.35N	.5
*****										
BIG DALTON	CA00187	BIG DALTON CR	C	34 10.2	5.0	2.	106.	143.	1.8E	0.8E
	SPK0083		COUNTY FCD	117 48.5					.10N	.2
*****										

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION.
- (3) - ESTIMATED CAPACITY AND ENERGY: DEBRIS CONTROL, BEACH POND, OTHER
- (3) - ESTIMATED CAPACITY AND ENERGY: INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDNT NUMBER	NAME OF STREAM CR RIVER	PUMP (2)	OWNER	LATITUDE (DN,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLW (CFS)	NET HEIGHT OF STORAGE HEAD (FT)	CAPACITY (1000 AC FT)	ENERGY (KWH) (3)
COUNTY NAME: LOS ANGELES										
BIG SANTA ANITA	CA00188	RIO MONDO	I S	LOS ANGELES	34 11.0	11.0	7.0	160.0	216.0	1.0E 0.0E 0.0E
	SPL0084			COUNTY FCD	118 1.1					.36E .5
DEVILS GATE	CA00189	ARROYO SECO	C	LOS ANGELES	34 11.1	32.0	9.0	62.0	84.0	3.0E 0.0E 0.0E
	SPL5002			COUNTY FCD	118 10.5					.25E .3
COGSWELL	CA00190	PK SAN GABRIEL	I S	LOS ANGELES	34 14.7	39.0	25.0	181.0	245.0	9.0E 0.0E 0.0E
	SPL0086			COUNTY FCD	117 57.9					1.34E 2.0
BIG TUJUNGA	CA00191	BIG TUJUNGA CREEK	S	LOS ANGELES	34 17.6	82.0	22.0	137.0	186.0	6.0E 0.0E 0.0E
	SPL0087			COUNTY FCD	118 11.2					.87E 1.2
PACOMA	CA00193	PACOMA CREEK	C	LOS ANGELES	34 20.1	28.0	9.0	222.0	300.0	3.0E 0.0E 0.0E
	SPL0088			COUNTY FCD	118 23.7					.79E .8
PUDDINGSTONE	CA00194	WALNUT CREEK	C	LOS ANGELES	34 5.3	32.0	10.0	100.0	135.0	17.0E 0.0E 0.0E
	SPL0089			COUNTY FCD	117 48.7					.59E 1.5
SAN DIMAS	CA00195	SAN DIMAS CREEK	C I	LOS ANGELES	34 9.3	16.0	5.0	81.0	109.0	2.0E 0.0E 0.0E
	SPL0090			COUNTY FCD	117 46.3					.35E .4
SAN GABRIEL	CA00200	SAN GABRIEL RIVER	C	LOS ANGELES	34 12.4	203.0	145.0	208.0	282.0	46.0E 0.0E 0.0E
	SPL0091			COUNTY FCD	117 51.5					4.01E 5.4
MORRIS	CA00216	SAN GABRIEL RIVER	S	METROPOLITAN	34 10.4	217.0	99.0	208.0	245.0	30.0E 0.0E 0.0E
	SPL0092			WATER DIST	117 52.8					4.16E 5.7
LITTLEROCK	CA00237	LITTLEROCK CREEK	I	LITTLEROCK P	34 29.1	64.0	16.0	94.0	110.0	4.0E 0.0E 0.0E
	SPL0093			ALDALE ID	118 1.3					.69E .9
COUNTY NAME: MADERA										
CHICUITO RESERVOIR	CA00061	CHICUITO CREEK			37 24.3	146.0	86.0	1650.0	158.0	75.0E 0.0E 0.0E
	SPL0216				119 22.3					40.98E 84.8

L E G E N D

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(2) - PROJECT PURPOSES: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=SEWAGE SUPPLY, R=RECREATION,  
D=DEBRIS CONTROL, P=PAVING, O=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY  
(3) - UNINSTALLED CAPACITY AND ENERGY  
(3) - INSTALLED CAPACITY AND ENERGY  
(3) - UNDEVELOPED SITES

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDNT * NUMBER	NAME OF STREAM OR RIVER	PUMP (2)	CANEN	*LATITUDE *LONGITUDE (DM,M)	*ORAINAGE *AREA (SQ MI)	*AVERAGE *ANNUAL *INFLOW (CFS)	*NET *HEIGHT *OF *HEAD (FT)	*STORAGE *CAPACITY (MM)	*ENERGY (GWH) (3)
FIGARDEN	*CAU0123 *SPK0217	*SAN JUAQUIN RIVER	*	*	*36 50.7 *119 54.8	*1703.0	*1956.	*55.	*94.0 *41.7	*0. *9
FORKS	*CAU0124 *SPK0218	*SAN JUAQUIN RIVER	*	*	*37 28.8 *119 18.4	*393.0	*750.	*300.	*35.0 *205.98	*0. *346.9
GRANITE CREEK SERVOIR	*CAU0141 *SPK0219	*GRANITE CREEK	*	*	*37 30.4 *119 14.5	*48.0	*81.	*2990.	*150.0 *96.42	*0. *166.0
JACKASS	*CAU0163 *SPK0220	*NORTH FORK SAN J	*	*	*37 27.0 *119 24.0	*84.0	*135.	*2090.	*101.0 *86.21	*0. *193.1
LEWIS	*CAU0182 *SPK0221	*LEWIS CREEK	*	*	*37 22.1 *119 38.1	*28.0	*49.	*92.	*15.0 *0.	*0. *1.74
MIAMI	*CAU0202 *SPK0222	*MIAMI CREEK	*	*	*37 24.7 *119 39.2	*12.0	*21.	*89.	*5.0 *0.	*0. *0.87
MILLER BRIDGE	*CAU0209 *SPK0223	*SAN JUAQUIN RIVER *MIC FK	*	*	*37 30.7 *119 12.0	*249.0	*469.	*875.	*63.0 *164.88	*0. *277.7
NELDER	*CAU0216 *SPK0224	*NELDER CREEK	*	*	*37 22.1 *119 36.4	*10.0	*17.	*118.	*15.0 *0.	*0. *96.7
SQUEL RESERVOIR	*CAU0279 *SPK0225	*NORTH FORK WILLO *CREEK	*	*	*37 24.5 *119 33.8	*17.0	*30.	*72.	*8.0 *0.	*0. *99.7
TEMPERANCE FLAT	*CAU0300 *SPK0226	*SAN JUAQUIN RIVER	*	*	*37 4.1 *119 35.6	*1480.0	*1447.	*443.	*1100.0 *233.87	*0. *433.3
WINDY GAP	*CAU0322 *SPK0227	*FRESNO RIVER	*	*	*37 21.2 *119 45.0	*102.0	*60.	*1180.	*50.0 *20.47	*0. *42.4
BASS LAKE (CRANE) VALLEY STORAGE	*CAU0337 *SPK0228	*SAN JUAQUIN RIVER *ELECT CO	*	*	*37 17.5 *119 31.8	*50.0	*83.	*118.	*45.0 *0.	*88.0 *0.

LEGEND

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(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=CELESTIAL CONTROL, N=NAVIGATION, S=SEWAGE SUPPLY, R=RECREATION,  
D=DEVELOPMENT, P=PUMP, F=FERROUS, O=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - U=INSTALLED CAPACITY AND ENERGY, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.

(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, CEFLLOOD CONTROL, NAVIGATION, SEWATER SUPPLY, RECREATION,

(3) - DERRIS CONTROL, PEFARM FORD, BUTHER

(2) - ESTABLISHED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)

(3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(3) - \*\*\*\*\*



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER	NAME OF STREAM	PROJ. NUMBER	OWNER	LONGITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	STORAGE CAPACITY (MG)	ENERGY (3)
COUNTY NAME: MARIPOSA										
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF										
BARRY	CAU0047	MERCED RIVER	SPK0237		37 36.8	912.0	1152.0	400.0	415.0	0.0
					120 7.7				147.0	315.0
COULTERVILLE	CAU0094	MAYHILL CREEK	SPK0238		37 39.0	5.0	2.0	140.0	22.0	0.0
					120 22.1					.08
HITE COVE	CAU0148	SOUTH FORK MERCED	SPK0239		37 38.0	165.0	348.0	1000.0	50.0	0.0
					119 50.0					140.0
MARGUERITE	CAU0197	DUTCHMAN AND DEAR	SPK0240		37 14.0	59.0	35.0	24.0	13.0	0.0
					120 10.0					.24
NORWEGIAN GULCH RESERVOIR	CAU0221	UPPER REAR CREEK	SPK0241		37 29.0	22.0	67.0	78.0	7.0	0.0
					120 6.4					1.92
SOUTH FORK MERCED DIVERSION RESE	CAU0283	SOUTH FORK MERCED	SPK0242		37 36.7	134.0	252.0	339.0	458.0	0.0
					119 43.3					34.33
SHEETWATER	CAU0295	SOUTH FORK MERCED	SPK0243		37 39.0	226.0	423.0	300.0	50.0	0.0
					119 55.0					50.49
VIRGINIA POINT	CAU0310	MERCED RIVER	SPK0244		37 38.6	924.0	1168.0	399.0	540.0	0.0
					120 10.0					149.49
LAKE MCCLURE (NE EXCHEQUER DAM)	CAU00240	MERCED RIVER	SPK0245		37 35.1	1020.0	1300.0	464.0	1021.0	80.10
					120 16.2					0.0
MCSMAIN RESERVOIR	CAU00242	MERCED RIVER	SPK0246		37 31.0	1040.0	1339.0	56.0	10.0	9.00
					120 19.5					0.0
CASCADE (YOSEMITE POWERHOUSE)	CAU00001	MERCED RIVER	SPK0247		37 43.3	323.0	606.0	356.0	0.0	2.00
					119 42.1					0.0
BEAR DAM	CAU0101	BEAR CREEK	SPK0248		37 22.2	72.0	72.0	64.0	13.0	0.0
					120 13.7					1.63

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, DEBRIS CONTROL, FARM POND, OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT * NUMBER * (1) *	NAME OF STREAM CR RIVER	PROJ * PURP * (2) *	DRAINAGE AREA * (SQ MI) *	LONGITUDE (DM *M) *	LATITUDE (DM *M) *	AVERAGE ANNUAL * INFLW * (CFS) *	NET * HEAD * (FT) *	HEIGHT * OF * DAM * (FT) *	STORAGE * CAPACITY * (1000 * GAL) *	ENERGY (3) * (3) *
COUNTY NAME: MARIPOSA											
MARIPOSA LAKE	*CA10107*	MARIPOSA CREEK	*C	*DAEN SPK	*37 17.5*	*120 8.8*	*64.0*	*61.0*	*83.0*	*22.0*	*0.0*
	*SPK0249*									*1.13N	*2.3
OWENS LAKE	*CA10111*	OWENS CREEK	*C	*DAEN SPK	*37 18.9*	*120 11.1*	*29.0*	*52.0*	*70.0*	*6.0*	*0.0*
	*SPK0250*									*.58N	*1.0
COUNTY NAME: MENDOCINO											
BELL SPRINGS	*CAU0017*	EEL RIVER			*39 5.4*	*123 2.8*	*3425.0*	*443.0*	*600.0*	*1300.0*	*0.0*
	*SPN0014*									*T 490.55AT	*648.8
SPENCER FRANCISCO	*CAU0019*	PK EEL RIVER			*39 4.7*	*123 2.9*	*425.0*	*244.0*	*330.0*	*850.0*	*0.0*
	*SPN0015*									*T 55.19AT	*61.8
VALLEYS END	*CAU0021*	TOMKI CREEK			*39 2.5*	*123 13.0*	*48.0*	*100.0*	*135.0*	*57.0*	*0.0*
	*SPN0016*									*T 2.48AT	*10.4
BRANSCOMB	*CAU0022*	PK EEL RIVER			*39 4.2*	*123 4.0*	*45.0*	*111.0*	*150.0*	*45.0*	*0.0*
	*SPN0017*									*T 2.56AT	*10.9
FELIZ	*CAU0026*	FELIZ CREEK			*38 5.9*	*123 5.8*	*39.0*	*113.0*	*153.0*	*69.0*	*0.0*
	*SPN0018*									*T 1.19AT	*1.2
REDWOOD VALLEY	*CAU0027*	RUSSIAN RIVER			*39 1.9*	*123 1.5*	*14.0*	*133.0*	*180.0*	*90.0*	*0.0*
	*SPN0019*									*T 1.30AT	*1.8
FORSYTHE	*CAU0028*	FORSYTHE CREEK			*39 18.0*	*123 15.0*	*30.0*	*206.0*	*279.0*	*71.0*	*0.0*
	*SPN0020*									*T 2.81AT	*5.1
DIGGER HEND	*CAU0029*	RUSSIAN RIVER			*38 36.0*	*122 48.0*	*750.0*	*22.0*	*30.0*	*1.0*	*0.0*
	*SPN0021*									*T .82AT	*1.0
COYOTE DAM	*CAU0029*	RUSSIAN RIVER	*SR	*COMPS	*39 12.0*	*123 11.0*	*105.0*	*95.0*	*128.0*	*123.0*	*0.0*
	*SPN0022*									*T 4.58AT	*21.2

LEGEND

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(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, EFFLUENT CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
DEWATERING, PUMP, POND, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSES IRRIGATION, HYDROELECTRIC, CLOUD CONTROL, NAVIGATION, SEWATER SUPPLY, RECREATION, FLOOD CONTROL, FARM POND, OTHER
- (3) - ESTIMATED CAPACITY AND ENERGY WHEN INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

LEGE NO

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDEN NUMBER	NAME OF STREAM CR RIVER	PROJ PUMP	OWNER	LATITUDE (D.M.S.)	LONGITUDE (S.W.)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	DAM (FT)	STORAGE CAPACITY (1000 AC FT)	ENERGY (KWH) (3) (3)
ALLEN CAMP DAM	*CA00039*	PIT RIVER	*IMH		41 20.8	121 8.2	1550.0	220.0	70.0	95.0	74.0	0.0
	*SPK0260*											1.92
ROUND VALLEY	*CA00260*	ASH CREEK	*CI		41 12.0	120 52.0	258.0	83.0	74.0	88.0	72.0	0.0
	*SPK0261*											1.56
BIG SAGE	*CA00233*	HATTLESNAKE CREEK			41 34.7	120 37.5	107.0	34.0	34.0	40.0	77.0	0.0
	*SPK0262*											.34
WEST VALLEY	*CA00300*	LEFT VALLEY CREEK			41 13.4	120 24.5	135.0	80.0	44.0	52.0	22.0	0.0
	*SPK0263*											.56
MCBRIEN	*CA00459*	PIT RIVER			41 27.4	120 41.8	1087.0	100.0	9.0	11.0	1.0	0.0
	*SPK0264*											.19
ESSEX RESERVOIR	*CA00461*	PIT RIVER			41 30.7	120 44.8	5.0	10.0	31.0	37.0	4.0	0.0
	*SPK0265*											.07
LINDAUER CONCRETE	*CA00914*	PIT RIVER			41 26.1	120 43.4	1150.0	100.0	5.0	6.0	1.0	0.0
	*SPK0266*											.11
POISON SPRINGS	*CA00918*	MOCK CREEK			41 49.1	120 1.6	49.0	37.0	31.0	37.0	7.0	0.0
	*SPK0267*											.44
CLEAR LAKE	*CA10141*	LOST RIVER			41 55.6	121 4.5	670.0	167.0	30.0	32.0	566.0	0.0
	*SPK0268*											1.18
DORRIS DAM	*CA10144*	PARKER AND PINE			41 29.3	120 29.3	39.0	29.0	19.0	23.0	13.0	0.0
	*SPK0269*	CREEKS										.21
ANTelope VALLEY	*CA00042*	NEST WALKER			58 31.0	119 27.0	176.0	331.0	1200.0	0.0	80.0	0.0
	*SPK0270*											159.0

LEGEND

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(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, CEFLUOD CONTROL, NEARAVIGATION, SEWATER SUPPLY, RECREATION,  
(3) - REMOVED CAPACITY AND ENERGY: REMOVED INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - REMOVED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT	NAME OF STREAM	PROJ#	*LATITUDE*	*DRAINAGE*	*AVERAGE*	*NET HEIGHT*	*STORAGE*	*CAPACITY*	*ENERGY*
	* (1) *	* CN RIVER *	* PUMP *	* (DM.M) *	* (SQ MI) *	* (CFS) *	* (FT) *	* (1000) *	* (WH) *	* (GWH) *
			* (2) *					* (AC FT) *	* (3) *	* (3) *
COUNTY NAME: MONO										
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 8F										
LEAVITT	*CAU0101*	*WEST WALKER RIVER*	*	*38 20.0*	*73.0*	*108.*	*0.*	*51.0*	*0.*	*0.*
	*SPK0271*		*	*119 33.0*				*24.75*	*44.9*	
PICKLE MEADOWS	*CAU0244*	*WEST WALKER RIVER*	*	*38 21.7*	*115.0*	*190.*	*165.*	*110.0*	*0.*	*0.*
	*SPK0272*		*	*119 29.5*				*2.88*	*10.5*	
WILLOW FLAT	*CAU0320*	*LITTLE WALKER RI*	*	*38 17.1*	*15.0*	*40.*	*0.*	*10.0*	*0.*	*0.*
	*SPK0273*	*VER*	*	*119 27.1*				*1.07*	*3.9*	
GRANT LAKE	*CAU0049*	*RUSH CREEK	*S	*CITY OF LOS	*60.0*	*02.*	*61.*	*40.*	*0.*	*0.*
	*SPL0098*		*	*ANGELES				*.96*	*3.8*	
LAKE CROWLEY LUN*	*CAU0090*	*JENNS RIVER	*H S	*CITY OF LOS	*437.0*	*137.*	*83.*	*1835.*	*0.*	*0.*
G VALLEY	*SPL0099*		*	*ANGELES				*2.48*	*2.1*	
BRIDGEPORT	*CAU0244*	*EAST WALKER RIVER*	*	*38 19.6*	*358.0*	*136.*	*44.*	*42.*	*0.*	*0.*
	*SPL0096*		*	*IRK DIST				*1.48*	*4.1*	
(MAGN LAKE)-NUS*	*CAU0450*	*RUSH CREEK	*H I	*SOUTHERN CAL	*15.0*	*19.*	*40.*	*5.*	*0.*	*0.*
H CREEK MEADOWS	*SPL0097*		*	*IF EDISON CO	*119 10.8*			*.23*	*.5*	
LUNDY LAKE	*CAU0451*	*MILL CREEK	*H I	*SOUTHERN CAL	*38 1.9*	*37.*	*34.*	*4.*	*3.00*	*6.0*
	*SPL0098*		*	*IF EDISON CO	*119 13.2*			*.50*	*0.*	
GEM LAKE	*CAU0453*	*RUSH CREEK	*H I	*SOUTHERN CAL	*37 45.1*	*22.*	*60.*	*18.*	*0.*	*0.*
	*SPL0099*		*	*IF EDISON CO	*119 8.5*			*.50*	*1.2*	
COUNTY NAME: MONTEREY										
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 8F										
SAN CLEMENTE	*CAU0032*	*CAMEL RIVER	*	*36 2.6*	*125.0*	*82.*	*314.*	*154.0*	*0.*	*0.*
	*SPK0025*		*	*121 4.2*				*4.58*	*9.1*	
SAN ANTONIO	*CAU0328*	*SAN ANTONIO RIVER*	*	*MUNTEREY CO	*35 45.6*	*92.*	*132.*	*348.0*	*0.*	*0.*
	*SPK0026*		*	*NTY FCMCO	*120 52.4*			*2.05*	*3.9*	

LEGEND

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(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, BOTTOM CONTROL, NAVIGATION, SEWAGE SUPPLY, RECREATION,  
DRAINAGE CONTROL, WETLAND FLOOD, DROTHER  
(3) - \*INSTALLED CAPACITY AND ENERGY \*NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
\*INSTALLED CAPACITY AND ENERGY \*TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ. PURP. (2)	OWNER	LATITUDE (DM-M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE HEAD (FT)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (MM)	ENERGY (GWH) (3)
COUNTY NAME: MONTEREY											
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F											
SAN CLEMENTE	CA00689	CARMEL R	S D	CALIF-AMERICA	36 26.1	155.0	80.0	64.0	75.0	2.0E	0.0E
	SPL0100			SAN JUAN CO	121 42.4					1.71E	2.7
LOS PADRES	CA00692	CARMEL R	S D	CALIF-AMERICA	36 23.1	45.0	86.0	111.0	130.0	3.0E	0.0E
	SPL0101			SAN JUAN CO	121 40.0					3.48E	5.4
SAN ANTONIO	CA00613	SAN ANTONIO R	S D	MONTEREY CTV	35 47.9	324.0	105.0	152.0	179.0	348.0E	0.0E
	SPL0102		R	FC-CD	120 53.0					2.92E	4.4
COUNTY NAME: NAPA											
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F											
ADAMS	CA00036	ETICULVERA CREEK			38 42.0	54.0	63.0	100.0	135.0	34.0E	0.0E
	SPK0274				122 17.5					1.07E	2.4
GOODINGS	CA00139	MAXWELL CREEK			39 37.0	39.0	79.0	81.0	110.0	51.0E	0.0E
	SPK0275				122 21.0					2.15E	3.5
JAMES CREEK	CA00165	JAMES CREEK			38 40.5	9.0	4.0	81.0	110.0	13.0E	0.0E
	SPK0276				122 28.5					0.0E	0.1
SNELL	CA00276	PUTAM CREEK			39 39.5	253.0	378.0	233.0	315.0	394.0E	0.0E
	SPK0277				122 18.5					29.23E	52.4
WALTER SPRINGS	CA00313	POPE CREEK			38 38.7	78.0	145.0	59.0	80.0	25.0E	0.0E
	SPK0278				122 21.5					2.01E	3.2
LAKE CURRY	CA00140	GORDON VALLEY CREEK		CITY OF VALLE	38 21.5	17.0	7.0	82.0	97.0	11.0E	0.0E
	SPK0027			EUJ	122 7.4					0.15E	0.2
MONTICELLO DAM (LAKE BERRYESSA)	CA010170	PUTAM CREEK	IKS	USBR	38 30.0	566.0	488.0	205.0	266.0	1833.0E	0.0E
	SPK5001				122 6.2					26.80E	42.7
L E G E N D											

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D=DEBRIS CONTROL, P=PEAK FLOOD, D=DETHROW  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NET INSTALLED POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

023573

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.

(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, SWATER SUPPLY, RECREATION, OTHERS CONTROL, FARM POND, OTHER

(3) - ESTIMATED CAPACITY AND ENERGY

(4) - UNINSTALLED CAPACITY AND ENERGY

(5) - INSTALLED CAPACITY AND ENERGY

(6) - TOTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)

(7) - UNINSTALLED CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ. PURP. (2)	OWNER	LATITUDE (N, S) (D, M, S)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET HEIGHT OF STORAGE DAM (FT)	CAPACITY (MGH) (3)	ENERGY (3)
COUNTY NAME: NEVADA										
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF										
*****										
SAWHILL LAKE	CA00250	CANYON CREEK	H I S	NEVADA	39 26.7	18.0	38.	45.	3.4E	0.4E 0.
	SPK0291		I S		120 36.0					.57E 1.0
SCOTTS FLAT	CA00253	DEER CREEK	I R S	NEVADA	39 16.4	120.0	671.	140.	49.4E	0.4E 0.
	SPK0292		I S		120 55.7					12.98E 24.3
JACKSON MEADOWS	CA00254	MIDDLE FK YUBA R	H I S	NEVADA	39 30.6	38.0	123.	146.	69.4E	0.4E 0.
	SPK0293	RIVER	S I S		120 33.3					3.10E 6.8
ROLLINS	CA00255	BEAR RIVER	H I R		39 8.2	104.0	398.	215.	66.4E	0.4E 0.
	SPK0294		S		120 57.0					11.00E 50.0
FAUCHERIE	CA00256	CANYON CREEK	H I R	NEVADA	39 25.6	10.0	23.	36.	6.4E	0.4E 0.
	SPK0295		S I S		120 33.9					.29E .5
DUTCH FLAT AFTER BAY	CA00257	BEAR RIVER	H I R	NEVADA	39 12.8	215.0	248.	128.	1.4E	0.4E 0.
	SPK0296		S I S		120 50.6					23.01E 55.4
DUTCH FLAT 2 EBAY	CA00258	THI BEAR RIVER	H I R	NEVADA	39 13.4	215.0	406.	590.	0.4E	23.40E 120.0
	SPK0297		S I S		120 50.0					AC.36E 134.5
FULLER LAKE	CA00351	JORDAN CREEK	H	PACIFIC GAS	39 20.7	71.0	234.	318.	1.4E	0.4E 0.
	SPK0298			ELECT CO	120 38.9					17.59E 31.2
LAKE FORDYCE	CA00357	FORDYCE CREEK	H	PACIFIC GAS	39 22.8	32.0	140.	105.	47.4E	0.4E 0.
	SPK0299			ELECT CO	120 29.7					2.41E 4.5
LAKE SPAULDING	CA00358	SOUTH FK YUBA R	H	PACIFIC GAS	39 19.6	189.0	203.	197.	74.4E	10.75E 58.0
	SPK0300	VEH		ELECT CO	120 38.5					0.4E 0.
LAKE STERLING	CA00359	TRI FORDYCE CREEK	H	PACIFIC GAS	39 21.0	32.0	140.	16.	2.4E	0.4E 0.
	SPK0301			ELECT CO	120 29.5					.52E 1.2
LAKE VAN NORDEN	CA00362	SOUTH YUBA RIVER	H	PACIFIC GAS	39 19.2	12.0	203.	19.	6.4E	0.4E 0.
	SPK0302			ELECT CO	120 22.6					.18E .3
*****										
L E G E N D										

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D=DEBRIS CONTROL, P=PAH POND, O=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDNT NUMBER (1)	NAME OF STREAM CR RIVER	PURP (2)	OWNER	LATITUDE (N, M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	HEAD (FT)	NET HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 AC FT)	ENERGY (GWH) (3)
COUNTY NAME: NEVADA FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F											
MEADOW LAKE	CA00366 SPK0303K	TRN FONDYCE CREEK		PACIFIC GAS ELECT CO	39 24.0 120 29.9	2.0	50	28	33	5.0E .05AN	0.0E .01
NEW DRUM AFTERMATH	CA00421 SPK5002	BEAR RIVER		PACIFIC GAS ELECT CO	39 15.3 120 46.4	194.0	559	75	88	0.0E 4.93AN	0.0E 21.3
DONNER LAKE	CA00537 SPK0304	DONNER CR		SIERRA PAC POWER CO	39 19.4 120 14.2	15.0	34	12	14	11.0E .15AN	0.0E .3
OUR HOUSE	CA00664 SPK0305	PK YUBA R		YUBA CTY WTR SER AGENCY	39 24.8 120 59.6	145.0	365	42	49	0.0E 3.12AN	0.0E 7.6
ANTHONY HOUSE	CA00964 SPK0306	DEER CREEK		LAKE ILLMOOD ASSN	39 14.1 121 13.2	80.0	133	54	63	4.0E 1.71AN	0.0E 3.1
MAGNOLIA	CA00966 SPK0307	MAGNOLIA CR		LAKE OF THE PINES ASSN	39 2.3 121 3.7	4.0	9	51	60	4.0E .17AN	0.0E .3
CHICAGO PARK FOR	CA00902 SPK0308	BEAR RIVER		NEVADA IRRIG ATTN DIST	39 10.2 120 55.1	215.0	640	470	0	0.0E 46.92AN	140.0 62.8
EBAY											
FARAD POWERHOUSE	CA00807 SPK0309	TRUCKEE RIVER		SIERRA PACIF IC POWER CO	39 24.8 120 1.0	961.0	802	83	0	0.0E 2.80E	14.0 0.0
DEER CREEK POWER	CA00802 SPK0310	DEER CREEK		PG AND E	39 17.0 120 50.6	-0	0	837	-0	0.0E 71.95AN	30.6 114.7
HOUSE											
MARTIS CREEK LAK	CA01010 SPK0311	MARTIS CREEK		DAEN SPK	39 19.6 120 6.7	40.0	16	62	108	35.0E 1.20AN	0.0E 2.6
E											
BOCA RESERVOIR	CA01035 SPK0312	LITTLE TRUCKEE RIVER		USBR	39 23.3 120 5.7	180.0	190	68	93	41.0E 1.63AN	0.0E 6.6
PROSSER CREEK RE	CA01079 SPK0313	PROSSER CREEK		USBR	39 22.8 120 8.4	50.0	77	92	133	41.0E 2.22AN	0.0E 4.9
SERVOIR											

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LEGEND  
\*\*\*\*\*  
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(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,  
(3) - E=INSTALLED CAPACITY AND ENERGY, N=NET INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)  
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( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER	NAME OF STREAM CR RIVER	PURP (1)	OWNER	PLATTITUDE (DN,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLW (CFS)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 AC FT)	ENERGY (GWH) (3)
COUNTY NAME: PLACER											
AUBURN DAM	CAU0044	AMERICAN RIVER	IRCSR		38 52.0	982.0	2200	660	700	2500	0.0
	SPK0314				121 3.4					425.96	915.0
AUBURN RAVINE	CAU0045	AUBURN RAVINE			38 54.0	8.0	13	175	0	11	0.0
	SPK0315				121 9.0						0.0
CLOVER VALLEY	CAU0087	CLOVER VALLEY	ISR		38 49.5	3.0	8	114	154	32	0.0
	SPK0316				121 14.0						0.0
COON CREEK	CAU0093	COON CREEK	I		38 58.5	40.0	93	207	207	59	0.0
	SPK0317				121 13.5						3.98
DOTY RAVINE	CAU0112	TRIP OF COON CRE			39 56.0	13.0	24	78	105	32	0.0
	SPK0318	TRIP OF COON CRE			121 14.0						0.0
FORBES	CAU0124	FORBES CRK			39 8.0	2.0	5	92	125	5	0.0
	SPK0319				120 45.5						0.0
LINCOLN	CAU0184	COON CREEK			38 58.0	72.0	110	44	60	15	0.0
	SPK0320				121 17.5						0.0
PAGGE	CAU0232	PAGGE CRK			39 6.0	6.0	14	207	280	69	0.0
	SPK0321				120 48.0						0.0
SOUTH MONCUT CREEK	CAU0282	SOUTH MONCUT CREEK			39 23.5	31.0	72	124	168	38	0.0
	SPK0322				121 21.0						0.0
SUGAR PINE	CAU0292	NORTH SHIRTAIL			39 8.5	9.0	20	97	131	10	0.0
	SPK0323	CANYON			120 48.0						0.0
WHITNEY RANCH	CAU0318	PLEASANT GROVE C			38 49.0	6.0	14	48	65	10	0.0
	SPK0324				121 16.0						0.0
CAMPFAR WEST	CAU0327	HEAR RIVER	IR		39 3.0	280.0	464	165	181	130	0.0
	SPK0325				121 18.9						0.0

\*\*\*\*\*  
LEGEND  
\*\*\*\*\*  
(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, CLOUD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)  
\*\*\*\*\*

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: I=IRRIGATION, M=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,  
D=DEBRIS CONTROL, P=PAVILION, O=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - UNINSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.) OFFICE AND SITE ID.

(2) - PROJECT PURPOSES IRRIGATION, HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=SWATER SUPPLY, RECREATION, O=OTHER

(3) - O=OTHERS CONTROL, P=PAW POND, O=OTHER

(4) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)

(5) - U=UNINSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDENT NUMBER	NAME OF STREAM CR RIVER	PROJ* PUMP	CNNR	*LATITUDE (DM.M)	*LONGITUDE (SQ MI)	*DRAINAGE AREA (SQ MI)	*ANNUAL INFLW (CFS)	*NET HEIGHT OF DAM (FT)	*STORAGE CAPACITY (MM)	*ENERGY (GWH)
COUNTY NAME: PLUMAS											
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF											
SQUAM QUEEN	*CAU0288	LAST CHANCE CRK	*HP		*40 3.0		198.0*	291.*	1680.*	174.*	100.*U
	*SPK0349				*120 34.5						*T 147.468T 300.5
TURNABLE	*CAU0304	FEATHER RIVER	*HIM		*39 51.5		200.0*	294.*	201.*	245.*	48.*U
	*SPK0350				*120 52.0						*T 17.868T 36.4
YELLOW CRK	*CAU0325	YELLOW CRK			*40 1.0		35.0*	64.*	2147.*	0.*	115.*U
	*SPK0351				*121 15.0						*T 59.63T 79.4
FRENCHMAN LAKE	*CAU0032	LIT LAST CHANCE		*CAL DEPT MAT*	*39 53.5		82.0*	29.*	94.*	110.*	51.*E
	*SPK0352			*ER RES	*120 11.2						*N 2.09N 3.4
ANTELOPE VALLEY RESERVOIR	*CAU0037	INDIAN CREEK	*R	*CAL DEPT MAT*	*40 10.8		71.0*	69.*	77.*	90.*	22.*E
	*SPK0353			*ER RES	*120 36.4						*N 6.10N 26.6
LAKE DAVIS (GRIZZLY CREEK)	*CAU0039	RIG GRIZZLY CREEK	*S	*CAL DEPT MAT*	*39 52.9		44.0*	38.*	89.*	105.*	83.*E
	*SPK0354			*ER RES	*120 28.5						*N 1.35N 1.9
LITTLE GRASS VALLEY	*CAU0269	FK FEATHER RIVER	*I	*SROVILLE WYA*	*39 43.3		27.0*	99.*	163.*	192.*	93.*E
	*SPK0355			*NDOTTE I D	*121 1.3						*N 2.73N 5.6
SOUTH FORK DIV	*CAU0270	FK FEATHER RIVER	*H	*SROVILLE WYA*	*39 38.8		39.0*	160.*	39.*	46.*	0.*E
	*SPK0356			*NDOTTE I D	*121 7.1						*N 1.19N 2.1
SLATE CREEK DIV	*CAU0271	SLATE CREEK	*H	*SROVILLE WYA*	*39 37.0		50.0*	222.*	49.*	58.*	1.*E
	*SPK0357			*NDOTTE I D	*121 2.9						*N 1.68N 3.3
BUTT VALLEY RESE	*CAU0326	BUTT CREEK	*H	*PACIFIC GAS	*40 6.9		578.0*	84.*	1150.*	72.*	50.*E
	*SPK0358			*ELECT CO	*121 8.8						*N 184.80E 355.9
LAKE ALMADOR	*CAU0327	FK FEATHER RIVER	*H	*PACIFIC GAS	*40 10.5		503.0*	916.*	358.*	115.*	1308.*E
	*SPK0359			*ELECT CO	*121 5.5						*N 0.*N 0.
CRESTA FOREBAY	*CAU0329	FK FEATHER RIVER	*H	*PACIFIC GAS	*39 52.6		1820.0*	2900.*	290.*	66.*	4.*E
	*SPK0360			*ELECT CO	*121 22.3						*N 67.50E 330.5
*****											
L E G E N D											
*****											

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(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, C/FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
(2) DEBRIS CONTROL, P/FARM POND, OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY   N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
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( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT	NAME OF STREAM	PROJ. NUMBER	CR RIVER	PURP. (1)	OWNER	LATITUDE (DM,M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLW (CFS)	HEAD (FT)	DF (FT)	STORAGE (1000)	CAPACITY (MW)	ENERGY (3)
COUNTY NAME: PLUMAS														
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF														
ROCK CREEK	CA00330	N FK FEATHER RIV	SPK0361	ER		PACIFIC GAS	39 59.2	1760.0	2450.0	535.0	78.0	5.0	113.40E	482.5
						ELECT CO	121 16.9						0.0	0.0
LOWER BUCKS LAKE	CA00331	BUCKS CREEK	SPK0362			PACIFIC GAS	39 54.1	31.0	56.0	706.0	92.0	6.0	0.0	0.0
(BUCKS DIVERSION)						ELECT CO	121 13.6						17.37N	23.1
BUCKS LAKE (STOR)	CA00332	BUCKS CREEK	SPK0363			PACIFIC GAS	39 53.0	31.0	56.0	92.0	108.0	103.0	0.0	0.0
AGE)						ELECT CO	121 12.1						1.78N	2.7
GRIZZLY FOREBAY	CA00333	GRIZZLY CREEK	SPK5003			PACIFIC GAS	39 53.5	31.0	234.0	2598.0	82.0	1.0	66.00E	241.3
						ELECT CO	121 17.3						0.0	0.0
CARIBOU AFTERBAY	CA00413	N FK FEATHER RIV	SPK0364	ER		PACIFIC GAS	40 4.7	612.0	1321.0	770.0	139.0	2.0	117.90E	245.3
(BELDEN FOREBAY)						ELECT CO	121 9.6						0.0	0.0
BIDWELL LAKE	CA00530	NORTH CANYON CR	SPK0365			BIDWELL WATER	40 6.0	9.0	16.0	25.0	29.0	5.0	0.0	0.0
						W CO	120 57.7						.16N	.2
BELDEN POWERHOUSE	CA00622	NORTH FORK FEATH	SPK0366	ER RIVER		PACIFIC GAS	40 0.0	-0.0	0.0	770.0	-0.0	0.0	117.90E	283.3
E						ELECT CO	121 13.0						0.0	0.0
COUNTY NAME: RIVERSIDE														
FERC POWER SUPPLY AREA 47 FERC REGIONAL OFFICE CODE SF														
PERRIS	CA00054	OFFSTREAM	SPLO103			CAL DEPT WAT	33 51.5	10.0	5.0	100.0	120.0	131.0	0.0	0.0
						ER RES	117 11.0						.13N	.3
MATHEWS	CA00212	TRI CAJALCO CREEKS	SPLO104	K		METROPOLITAN	33 50.0	40.0	950.0	211.0	250.0	186.0	0.0	0.0
						WATER DIST	117 27.6						1.25N	3.0
ROBERT A SKINNER	CA00223	TUCALOTA CREEK	SPLO105			METROPOLITAN	33 35.2	51.0	750.0	93.0	109.0	44.0	0.0	0.0
						WATER DIST	117 4.3						.13N	.2
LAKE MEMET	CA00763	S FK SAN JACINTO	SPLO106	CR		WATER DIST	33 39.9	66.0	8.0	112.0	132.0	14.0	0.0	0.0
						WATER DIST	116 42.3						.38N	.4

LEGEND

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(2) ORDERED CONTROL, PEARL POND, OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
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( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDENT * NUMBER (1)	NAME OF STREAM OR RIVER	PRCJA PURP (2)	OWNER	*LATITUDE *LONGITUDE (DM,M)	*DRAINAGE AREA (SQ MI)	*AVERAGE ANNUAL INFLOW (CFS)	*NET HEAD (FT)	*MAXIMUM STORAGE (1000 AC FT)	*CAPACITY (GPM) (3)	*ENERGY (3)
COUNTY NAME: RIVERSIDE											
FERC POWER SUPPLY AREA 47   FERC REGIONAL OFFICE CODE SF											
RAILROAD CANYON	*CA00765	*SAN JACINTO R	*S I	*TENESCAL WAT	*33 40.5	*718.0	*6.0	*71.0	*84.0	*12.0E	*0.0E C.0.3
	*SPL0107			*ER CC	*117 16.3					*.29	*N
VAIL	*CA00770	*TEMECULA CR	*S D I	*RANCHO CALIF	*33 29.7	*319.0	*10.0	*122.0	*143.0	*51.0E	*0.0E C.0.2
	*SPL0108			*ORNL	*116 58.6					*.10	*N
COUNTY NAME: SACRAMENTO											
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF											
COUNTY LINE	*CA00095	*DEER CREEK			*38 34.5	*35.0	*46.0	*59.0	*80.0	*40.0U	*0.0U C.0.0.1.4
	*SPK0367				*121 2.0					*.7	*T
HUTSON SCHOOL	*CA00154	*DURY CREEK			*38 15.5	*304.0	*176.0	*59.0	*73.0	*0.0U	*0.0U C.0.0.3.7
	*SPK0368				*121 9.2					*.7	*T
VINEYARD	*CA00095	*MORRISON CREEK			*38 28.0	*23.0	*30.0	*27.0	*38.0	*11.0U	*0.0U C.0.0.0.4
	*SPK0369				*121 18.0					*.52	*T
RANCHO SECII	*CA00625	*TR MADSELVILLE C+S H		*SACKAMENTO M	*38 20.1	*2.0	*5.0	*43.0	*50.0	*3.0E	*0.0E C.0.0.1
	*SPK0370			*UD	*121 6.0					*.08	*N
FOLSOM LAKE	*CA10148	*AMERICAN RIVER	*ISHCM	*DOI USRR	*38 42.5	*1875.0	*3779.0	*300.0	*275.0	*1120.0E	*198.72E 702.7
	*SPK0371		*R1		*121 9.4					*.N	*N C.0.0.0.
NIMBUS (LAKE NAT	*CA10174	*AMERICAN RIVER	*CU	*DOI USRR	*38 37.8	*51.0	*89.0	*39.0	*47.0	*10.0E	*13.50E 91.1
OMA)	*SPK0372				*121 13.4					*.N	*N C.0.0.0.
COUNTY NAME: SAN BENITO											
FERC POWER SUPPLY AREA 47   FERC REGIONAL OFFICE CODE SF											
HERNANDEZ	*CA00648	*SAN BENITO R	*SIR	*SAN BENITO C	*36 23.7	*85.0	*10.0	*89.0	*120.0	*28.0E	*0.0E C.0.0.1
	*SPL0109			*TY FCMD	*120 50.1					*.N	*N .07
										*.1	

L E G E N D

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(2) - DEERIS CONTROL, PEFARM POND, GEOTHEM  
(3) - E=INSTALLED CAPACITY AND ENERGY   N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
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( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	ID#	NAME OF STREAM	PROJ#	PUMP	OWNER	LATITUDE	LONGITUDE	DRAINAGE AREA	ANNUAL INFLOW	NET HEAD	HEIGHT OF DAM	STORAGE CAPACITY	MAXIMUM ENERGY
	NUMBER	CR RIVER	(1)	(2)		(DM.)	(SU MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)	(GWH)
COUNTY NAME: SAN BERNARDINO													
FERC POWER SUPPLY AREA 47 FERC REGIONAL OFFICE CODE SF													
LAKE SILVERWOOD	CA00049	W FK MUJAVE RIVER	I	R	S	SCAL DEPT WAT	32 18.4	34.0	6.	179.	213.	75.	0.
CEDARS SPRINGS	SPL0110					ER RES	117 16.7						0.
COPPER BASIN	CA00214	COPPER BASIN	S			METROPOLITAN	34 16.7	8.0	1700.	147.	180.	24.	0.
	SPL0111					WATER DIST	114 13.8						0.
(BIG BEAR LAKE)	CA00757	BEAR CR	R			BEAR VAL MUT	34 14.5	38.0	30.	45.	53.	72.	0.
BEAR VALLEY	SPL0112					WATER DIST	116 56.6						0.
LAKE ARROWHEAD	CA00759	LITTLE BEAR CR	I	R		LAKE ARROWHEAD	34 15.7	7.0	3.	154.	181.	48.	0.
	SPL0113					AD LAND CORP	117 10.0						0.
COUNTY NAME: SAN DIEGO													
FERC POWER SUPPLY AREA 47 FERC REGIONAL OFFICE CODE SF													
BARRETT	CA00106	COTTONWOOD CREEKS	S			CITY OF SAN	32 40.7	249.0	13.	128.	151.	45.	0.
	SPL0114					DIEGO	116 40.2						0.
LAKE HODGES	CA00108	SAN DIEGO RIVER	S			CITY OF SAN	33 2.7	303.0	18.	99.	116.	34.	0.
	SPL0115					DIEGO	117 7.7						0.
LOWER OTAY RESERVOIR	CA00109	OTAY RIVER	S			CITY OF SAN	32 36.6	99.0	17.	117.	138.	56.	0.
VOIR SAVAGE	SPL0116					DIEGO	116 55.6						0.
MORENA	CA00110	COTTONWOOD CREEKS	S			CITY OF SAN	32 41.1	114.0	3.	142.	167.	50.	0.
	SPL0117					DIEGO	116 33.0						0.
EL CAPITAN	CA00111	SAN DIEGO RIVER	S			CITY OF SAN	32 53.0	190.0	11.	167.	197.	116.	0.
	SPL0118					DIEGO	116 48.6						0.
SAN VICENTE	CA00113	SAN VICENTE CR	S			CITY OF SAN	32 54.7	75.0	11.	162.	190.	90.	0.
	SPL0119					DIEGO	116 55.5						0.
HENSHAW	CA00283	SAN LUIS REY RIVER	I			VISTA INC	33 14.4	205.0	30.	94.	110.	204.	0.
	SPL0120					ST	116 45.7						0.
LEGEND													

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D=DEBRIS CONTROL, P=PUMP, O=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
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( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDNT * NUMBER * (1)	NAME OF STREAM OR RIVER	PROJ * PUMP * (2)	OWNER	*LATITUDE * * (N, S)	*DRAINAGE * * AREA * * (SQ MI)	*AVERAGE * * ANNUAL * * INFLOW * * (CFS)	*NET * * HEAD * * (FT)	*HEIGHT * * OF * * DAM * * (FT)	*STORAGE * * (1000 * * (MH))	*CAPACITY * * (3) * * (3)	ENERGY
COUNTY NAME: SAN DIEGO												
FERC POWER SUPPLY AREA 47 FERC REGIONAL OFFICE CODE SF												
SHEETWATER (RESERVOIR)	CA00775	SHEETWATER R	S D I	CALIF-AMERICA	32 41.5	182.0	11.0	84.0	99.0	28.0	0.0	0.0
	SPL0121			AN WATER CO	117.4						.22	.2
LAKE LOVELAND												
	CA00776	SHEETWATER R	S D I	CALIF-AMERICA	32 46.9	98.0	15.0	166.0	195.0	28.0	0.0	0.0
	SPL0122			AN WATER CO	116 47.6						.66	.6
COUNTY NAME: SAN JOAQUIN												
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF												
CAMANCHE RESERVOIR	CA00173	MCKELUMNE RIVER	H S	EAST BAY M	38 13.5	621.0	832.0	107.0	145.0	432.0	0.0	0.0
	SPK0373			DIST	121 1.2						6.00	30.0
WOODBRIDGE DIVERSION	CA00285	MCKELUMNE RIVER	I R	WOODBRIDGE I	38 9.4	661.0	1111.0	9.0	10.0	2.0	0.0	0.0
	SPK0374			MR DIST	121 17.8						.49	2.1
FARMINGTON DAM	CA10104	ROCK AND LITTLE JAC		DAEN SPK	37 54.4	212.0	122.0	39.0	53.0	120.0	0.0	0.0
	SPK0375	DUHN CREEKS			120 56.0						1.27	1.9
COUNTY NAME: SAN LUIS OBISPO												
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE												
NACIMIENTO	CA00327	NACIMIENTO RIVER		MUNTEREY CO	35 45.6	324.0	92.0	137.0	185.0	350.0	0.0	0.0
	SPN0028			NTY FCWC	120 52.4						2.72	4.0
SALINAS	CA00331	SALINAS	I C	CORPS	35 18.0	113.0	20.0	111.0	130.0	26.0	0.0	0.0
	SPN0029				120 30.0						.52	.9
WHALE ROCK	CA00029	OLD CREEK		CAL DEPT OF	35 26.9	20.0	11.0	150.0	176.0	40.0	0.0	0.0
	SPL0123			FINANCE	120 53.1						.48	.5
NACIMIENTO	CA00812	NACIMIENTO R	S D I	MUNTEREY CTY	35 45.5	324.0	200.0	157.0	185.0	350.0	0.0	0.0
	SPL0124			H FCWC	120 53.0						21.82	23.3
LOPEZ	CA00887	APPOYO GRANDE CREEK	S D I	SAN LUIS OBIS	35 11.3	68.0	19.0	128.0	150.0	51.0	0.0	0.0
	SPL0125			SPD CO FCWC	120 29.2						.36	.7
LEGEND												

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D=DEBRIS CONTROL, P=PEAK FLOW, O=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
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( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT	NAME OF STREAM	PROJ#	OWNER	LONGITUDE	AREA	INFLOW	HEAD	CF	STORAGE	CAPACITY	ENERGY
	NUMBER	CR RIVER	PURP#		(DN,M)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)	(3)
	(1)		(2)									
COUNTY NAME: SAN LUIS OBISPO												
SALINAS RESERVOIR	CA10026	SALINAS RIVER	S	SAN LUIS OBISPO	35 20.2	112.0	20.0	95.0	128.0	43.0	0.0	0.0
R UPPER SALINAS	SPL0126			SPU COUNTY	120 30.1						.47	.5
SALINAS (RESERVOIR)	CA10202	SALINAS RIVER	S	CORPUS OF ENG	35 20.0	111.0	20.0	78.0	106.0	50.0	0.0	0.0
R) DAM	SPL0127			INTEERS	120 30.0						.39	.4
COUNTY NAME: SAN MATEO												
PESCADERO	CA00031	PESCADERO CR			36 24.0	38.0	33.0	154.0	208.0	54.0	0.0	0.0
	SPN0030				122 42.0						1.68	2.8
CRYSTAL SPRING RESERVOIR	CA00127	SAN MATEO CREEK	S	CITY COUNTY	37 39.2	25.0	6.0	111.0	131.0	54.0	0.0	0.0
	SPN0031			S FRANCISCO	122 21.7						.58	.5
PILARCITOS LAKE	CA00128	PILARCITOS CREEK	S	CITY COUNTY	37 32.9	4.0	6.0	82.0	97.0	3.0	0.0	0.0
	SPN0032			S FRANCISCO	122 25.4						.12	.2
SAN ANDREAS LAKE	CA00129	SAN ANDREAS CREEK	S	CITY COUNTY	37 34.8	4.0	6.0	82.0	97.0	19.0	0.0	0.0
	SPN0033			S FRANCISCO	122 24.7						.12	.2
COUNTY NAME: SANTA BARBARA												
GIBRALTER	CA00138	SANTA YNEZ RIVER	S	CITY OF SANTA	34 31.6	216.0	62.0	121.0	142.0	15.0	0.0	0.0
	SPL0128			A BARBARA	119 41.2						1.58	1.7
JAMESON LAKE	CA00211	SANTA YNEZ RIVER	S	MUNTECITO CO	34 39.5	14.0	6.0	114.0	134.0	6.0	0.0	0.0
CAL	SPL0129			WATER DIST	119 30.4						.25	.4
ALISAL CREEK	CA00731	ALISAL CR	S	D IAPETAN CO	34 32.8	8.0	6.0	66.0	78.0	2.0	0.0	0.0
	SPL0130				120 8.1						.18	.2
LAKE CACHUMA	CA10136	SANTA YNEZ RIVER	ISR	DOI USRM	34 35.0	417.0	72.0	162.0	201.0	240.0	0.0	0.0
DBURY	SPL1408				119 58.8						2.15	2.2

- LEGEND
- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,
- (3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PURPOSE (1)	OWNER	LATITUDE (DM, M)	LONGITUDE (DM, M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 GALT)	ENERGY (3)
COUNTY NAME: SANTA CLARA												
FERC POWER SUPPLY AREA 47   FERC REGIONAL OFFICE CODE												
COYOTE RESERVIOR	CA00287	COYOTE CREEK	I	SANTA CLARA	37 9.1	116.0	116.0	44.0	97.0	114.0	25.0	0.0
	SPN0034			COUNTY FCWD	121 32.9							.75N 1.6
CALERO RESERVIOR	CA00288	CALERO CREEK	I	SANTA CLARA	37 11.0	7.0	7.0	7.0	71.0	84.0	9.0	0.0
	SPN0035			COUNTY FCWD	121 47.5							.19N .2
ALMADEN RESERVIOR	CA00289	ALMADEN CREEK	I	SANTA CLARA	37 9.9	13.0	13.0	15.0	87.0	102.0	2.0	0.0
	SPN0036			COUNTY FCWD	121 49.7							.43N .5
GUADALUPE RESERVIOR	CA00290	GUADALUPE CREEK	I	SANTA CLARA	37 11.9	6.0	6.0	6.0	112.0	132.0	3.0	0.0
	SPN0037			COUNTY FCWD	121 52.7							.26N .3
STEVEN CREEK RESERVIOR	CA00292	STEVEN CREEK	I	SANTA CLARA	37 17.9	18.0	18.0	13.0	95.0	112.0	4.0	0.0
	SPN0038			COUNTY FCWD	122 4.6							.65N .8
LEXINGTON RESERVIOR	CA00293	LOS GATOS CREEK	I	SANTA CLARA	37 12.1	38.0	38.0	45.0	174.0	205.0	21.0	0.0
	SPN0039			COUNTY FCWD	121 59.3							1.38N 1.2
RELOY ANDERSON LAKE	CA00294	COYOTE CREEK	I	SANTA CLARA	37 10.0	193.0	193.0	45.0	200.0	235.0	91.0	0.0
	SPN0040			COUNTY FCWD	121 37.7							2.58N 5.5
COUNTY NAME: SANTA CRUZ												
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF												
SORQUEL	CA00300	SORQUEL CREEK			37 .2	32.0	32.0	36.0	174.0	235.0	71.0	0.0
	SPN0041				122 54.0							1.13N 1.0
COUNTY NAME: SHASTA												
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF												
BATTLE CREEK DIVERSION DAM	CA00305	BATTLE CREEK			40 25.2	332.0	332.0	511.0	169.0	229.0	45.0	0.0
	SPK0376				122 1.6							23.42N 54.7
BELLA VISTA	CA00304	LITTLE COY CREEK	OHC		40 36.1	120.0	120.0	147.0	125.0	162.0	400.0	0.0
	SPK0377				122 13.6							3.18N 9.4
L E G E N D												

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D=DEBRIS CONTROL, P=PANAMA POND, O=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY   N=N=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
          U=UNINSTALLED CAPACITY AND ENERGY   T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDNT	NAME OF STREAM	PROJ	OWNER	LATITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	CAPACITY	ENERGY
	NUMBER	CR RIVER	PURP		LONGITUDE	AREA	ANNUAL	POWER	CF	STORAGE	(MW)	(GWH)
	(1)		(2)		(DM,N)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)	(3)
COUNTY NAME: SHASTA												
BIG SPRINGS NO 3	CAU0037	MCCLLOUD RIVER			41 11.0	369.0	959.0	297.0	0.0	0.0	0.0	0.0
	SPK0378				122 4.0						39.14	205.7
BURNEY	CAU0068	BURNEY CRK	I		40 47.0	95.0	83.0	74.0	100.0	5.0	0.0	0.0
	SPK0379				121 44.0						.81	4.4
CHONTON TUBAS	CAU0082	MCCLLOUD RIVER			41 1.5	604.0	1570.0	258.0	0.0	52.0	0.0	0.0
	SPK0380				122 12.5						55.65	292.5
CLOVER	CAU0086	CLOVER CREEK			40 34.0	2.0	6.0	69.0	93.0	100.0	0.0	0.0
	SPK0381				122 7.5						.05	.3
DUTCH GULCH RES	CAU0113	COTTONWOOD CREEK	CS100		40 22.8	395.0	453.0	189.0	245.0	1100.0	0.0	0.0
RVOIR	SPK0382				122 29.5						45.83	89.8
FALL RIVER MILLS	CAU0121	PIT RIVER			41 1.0	2754.0	477.0	84.0	113.0	175.0	0.0	0.0
	SPK0383				120 26.0						3.52	14.9
FIDDLERS LAKE	CAU0122	MIDDLE FORK COTT	C10		40 19.9	222.0	331.0	243.0	300.0	310.0	0.0	0.0
	SPK0384	UNWOOD CREEK			122 39.6						26.72	47.9
GAS POINT (M-5)	CAU0135	NORTH FORK COTTO			40 22.8	388.0	703.0	149.0	202.0	490.0	0.0	0.0
	SPK0385	UNWOOD CREEK			122 30.9						35.49	69.5
GIRVAN RESERVOIR	CAU0137	CLEAR CRK			40 31.0	238.0	335.0	52.0	70.0	26.0	0.0	0.0
COTTONWOOD PWRH	SPK0386				122 23.5						1.56	6.0
MULEN LAKE	CAU0150	NORTH FORK COTTO	C10		40 27.1	86.0	106.0	164.0	222.0	331.0	0.0	0.0
	SPK0387	UNWOOD CREEK			122 33.4						3.15	9.0
KANAKA	CAU0170	CLEAR CRK			40 32.0	224.0	321.0	340.0	460.0	415.0	0.0	0.0
	SPK0388				122 31.5						37.94	62.6
LOWER COTTONWOOD	CAU0192	COTTONWOOD CREEK			40 22.4	877.0	815.0	171.0	231.0	3540.0	0.0	0.0
(M-1)	SPK0389	MAIN STEM			122 18.6						48.38	79.3

LEGEND

LEGEND

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DEDERMIN CONTROL, PEFARM POND, DEOTER  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
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( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	ID#	NAME OF STREAM OR RIVER	PROJ#	PLATITUDE	DRAINAGE AREA	AVERAGE ANNUAL INFLOW	NET HEAD	HEIGHT OF DAM	STORAGE CAPACITY	ENERGY
				(N.M.)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(WH) (3) (3)
COUNTY NAME: SHASTA										
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F										
M-2	CAU0193	NORTH FORK COTTO		40 22.4	470.0	851.	159.	215.	1625.	0. 0. 0.
	SPK0390	NWOOD CREEK		122 24.2						45.76 89.6
MID-1	CAU0204	MIDDLE FORK COTT		40 22.9	247.0	130.	140.	190.	223.	0. 0. 0.
	SPK0391	NWOOD CREEK		120 32.9						2.01 7.7
MILLVILLE LAKE	CAU0211	SOUTH COW CREEK		40 32.8	85.0	104.	141.	181.	160.	0. 0. 0.
	SPK0392			122 6.5						2.97 7.8
MILLVILLITO	CAU0212	SOUTH COW CREEK		40 32.4	163.0	251.	183.	247.	150.	0. 0. 0.
	SPK0393			122 7.8						4.20 20.4
OAK RUN DIVERSION	CAU0224	OAK RUN		40 1.0	11.0	14.	59.	80.	5.	0. 0. 0.
N	SPK0394			122 2.5						.39 1.4
OLD COW	CAU0227	OLD COW CRK		40 34.0	75.0	92.	107.	145.	18.	0. 0. 0.
	SPK0395			122 5.5						2.90 5.8
PALO CEDRO RESERVOIR	CAU0234	COW CREEK		40 28.3	433.0	589.	64.	87.	160.	0. 0. 0.
	SPK0396			122 13.7						4.71 23.6
PIT NO.2	CAU0245	PIT RIVER		41 0.	4150.0	1541.	103.	0.	0.	0. 0. 0.
	SPK0397			121 34.0						34.69 106.8
SAELTZER LAKE	CAU0242	CLEAR CREEK		40 35.0	231.0	325.	178.	241.	200.	0. 0. 0.
	SPK0398			122 31.1						20.14 33.2
SALZMAN (M-3)	CAU0266	NORTH FORK COTTO		40 22.6	431.0	780.	126.	170.	620.	0. 0. 0.
	SPK0399	NWOOD CREEK		122 24.6						33.18 65.0
SELVESTER	CAU0270	MF COTTONWOOD CR		40 24.0	30.0	33.	400.	0.	322.	0. 0. 0.
	SPK0400	EEK		122 45.5						2.97 6.1
SUGAR LOAF	CAU0291	HAT CREEK		40 44.0	155.0	135.	595.	0.	0.	0. 0. 0.
	SPK0401			121 26.0						10.67 58.2

LEGEND

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D=DEBRIS CONTROL, P=PAVEMENT, O=OTHER  
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( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT	NAME OF STREAM	PROJ#	NUMBER	CR RIVER	PURP	OWNER	LONGITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	STORAGE	CAPACITY	ENERGY
	(1)			(2)				(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
								(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
								(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
								(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)
								(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)	(47)
								(48)	(49)	(50)	(51)	(52)	(53)	(54)	(55)	(56)
								(57)	(58)	(59)	(60)	(61)	(62)	(63)	(64)	(65)
								(66)	(67)	(68)	(69)	(70)	(71)	(72)	(73)	(74)
								(75)	(76)	(77)	(78)	(79)	(80)	(81)	(82)	(83)
								(84)	(85)	(86)	(87)	(88)	(89)	(90)	(91)	(92)
								(93)	(94)	(95)	(96)	(97)	(98)	(99)	(100)	(101)
								(102)	(103)	(104)	(105)	(106)	(107)	(108)	(109)	(110)
								(111)	(112)	(113)	(114)	(115)	(116)	(117)	(118)	(119)
								(120)	(121)	(122)	(123)	(124)	(125)	(126)	(127)	(128)
								(129)	(130)	(131)	(132)	(133)	(134)	(135)	(136)	(137)
								(138)	(139)	(140)	(141)	(142)	(143)	(144)	(145)	(146)
								(147)	(148)	(149)	(150)	(151)	(152)	(153)	(154)	(155)
								(156)	(157)	(158)	(159)	(160)	(161)	(162)	(163)	(164)
								(165)	(166)	(167)	(168)	(169)	(170)	(171)	(172)	(173)
								(174)	(175)	(176)	(177)	(178)	(179)	(180)	(181)	(182)
								(183)	(184)	(185)	(186)	(187)	(188)	(189)	(190)	(191)
								(192)	(193)	(194)	(195)	(196)	(197)	(198)	(199)	(200)
								(201)	(202)	(203)	(204)	(205)	(206)	(207)	(208)	(209)
								(210)	(211)	(212)	(213)	(214)	(215)	(216)	(217)	(218)
								(219)	(220)	(221)	(222)	(223)	(224)	(225)	(226)	(227)
								(228)	(229)	(230)	(231)	(232)	(233)	(234)	(235)	(236)
								(237)	(238)	(239)	(240)	(241)	(242)	(243)	(244)	(245)
								(246)	(247)	(248)	(249)	(250)	(251)	(252)	(253)	(254)
								(255)	(256)	(257)	(258)	(259)	(260)	(261)	(262)	(263)
								(264)	(265)	(266)	(267)	(268)	(269)	(270)	(271)	(272)
								(273)	(274)	(275)	(276)	(277)	(278)	(279)	(280)	(281)
								(282)	(283)	(284)	(285)	(286)	(287)	(288)	(289)	(290)
								(291)	(292)	(293)	(294)	(295)	(296)	(297)	(298)	(299)
								(300)	(301)	(302)	(303)	(304)	(305)	(306)	(307)	(308)
								(309)	(310)	(311)	(312)	(313)	(314)	(315)	(316)	(317)
								(318)	(319)	(320)	(321)	(322)	(323)	(324)	(325)	(326)
								(327)	(328)	(329)	(330)	(331)	(332)	(333)	(334)	(335)
								(336)	(337)	(338)	(339)	(340)	(341)	(342)	(343)	(344)
								(345)	(346)	(347)	(348)	(349)	(350)	(351)	(352)	(353)
								(354)	(355)	(356)	(357)	(358)	(359)	(360)	(361)	(362)
								(363)	(364)	(365)	(366)	(367)	(368)	(369)	(370)	(371)
								(372)	(373)	(374)	(375)	(376)	(377)	(378)	(379)	(380)
								(381)	(382)	(383)	(384)	(385)	(386)	(387)	(388)	(389)
								(390)	(391)	(392)	(393)	(394)	(395)	(396)	(397)	(398)
								(399)	(400)	(401)	(402)	(403)	(404)	(405)	(406)	(407)
								(408)	(409)	(410)	(411)	(412)	(413)	(414)	(415)	(416)
								(417)	(418)	(419)	(420)	(421)	(422)	(423)	(424)	(425)
								(426)	(427)	(428)	(429)	(430)	(431)	(432)	(433)	(434)
								(435)	(436)	(437)	(438)	(439)	(440)	(441)	(442)	(443)
								(444)	(445)	(446)	(447)	(448)	(449)	(450)	(451)	(452)
								(453)	(454)	(455)	(456)	(457)	(458)	(459)	(460)	(461)
								(462)	(463)	(464)	(465)	(466)	(467)	(468)	(469)	(470)
								(471)	(472)	(473)	(474)	(475)	(476)	(477)	(478)	(479)
								(480)	(481)	(482)	(483)	(484)	(485)	(486)	(487)	(488)
								(489)	(490)	(491)	(492)	(493)	(494)	(495)	(496)	(497)
								(498)	(499)	(500)	(501)	(502)	(503)	(504)	(505)	(506)
								(507)	(508)	(509)	(510)	(511)	(512)	(513)	(514)	(515)
								(516)	(517)	(518)	(519)	(520)	(521)	(522)	(523)	(524)
								(525)	(526)	(527)	(528)	(529)	(530)	(531)	(532)	(533)
								(534)	(535)	(536)	(537)	(538)	(539)	(540)	(541)	(542)
								(543)	(544)	(545)	(546)	(547)	(548)	(549)	(550)	(551)
								(552)	(553)	(554)	(555)	(556)	(557)	(558)	(559)	(560)
								(561)	(562)	(563)	(564)	(565)	(566)	(567)	(568)	(569)
								(570)	(571)	(572)	(573)	(574)	(575)	(576)	(577)	(578)
								(579)	(580)	(581)	(582)	(583)	(584)	(585)	(586)	(587)
								(588)	(589)	(590)	(591)	(592)	(593)	(594)	(595)	(596)
								(597)	(598)	(599)	(600)	(601)	(602)	(603)	(604)	(605)
								(606)	(607)	(608)	(609)	(610)	(611)	(612)	(613)	(614)
								(615)	(616)	(617)	(618)	(619)	(620)	(621)	(622)	(623)
								(624)	(625)	(626)	(627)	(628)	(629)	(630)	(631)	(632)
								(633)	(634)	(635)	(636)	(637)	(638)	(639)	(640)	(641)
								(642)	(643)	(644)	(645)	(646)	(647)	(648)	(649)	(650)
								(651)	(652)	(653)	(654)	(655)	(656)	(657)	(658)	(659)
								(660)	(661)	(662)	(663)	(664)	(665)	(666)	(667)	(668)
								(669)	(670)	(671)	(672)	(673)	(674)	(675)	(676)	(677)
								(678)	(679)	(680)	(681)	(682)	(683)	(684)	(685)	(686)
								(687)	(688)	(689)	(690)	(691)	(692)	(693)	(694)	(695)
								(696)	(697)	(698)	(699)	(700)	(701)	(702)	(703)	(704)
								(705)	(706)	(707)	(708)	(709)	(710)	(711)	(712)	(713)
								(714)	(715)	(716)	(717)	(718)	(719)	(720)	(721)	(722)
								(723)	(724)	(725)	(726)	(727)	(728)	(729)	(730)	(731)
								(732)	(733)	(734)	(735)	(736)	(737)	(738)	(739)	(740)
								(741)	(742)	(743)	(744)	(745)	(746)	(747)	(748)	(749)
								(750)	(751)	(752)	(753)	(754)	(755)	(756)	(757)	(758)
								(759)	(760)	(761)	(762)	(763)	(764)	(765)	(766)	(767)
								(768)	(769)	(770)	(771)	(772)	(773)	(774)	(775)	(776)
								(777)	(778)	(779)	(780)	(781)	(782)	(783)	(784)	(785)
								(786)	(787)	(788)	(789)	(790)	(791)	(792)	(793)	(794)
								(795)	(796)	(797)	(798)	(799)	(800)	(801)	(802)	(803)
								(804)	(805)	(806)	(807)	(808)	(809)	(810)	(811)	(812)
								(813)	(814)	(815)	(816)	(817)	(818)	(819)	(820)	(821)
								(822)	(823)	(824)	(825)	(826)	(827)	(828)	(829)	(830)
								(831)	(832)	(833)	(834)	(835)	(836)	(837)	(838)	(839)
								(840)	(841)	(842)	(843)	(844)	(845)	(846)	(847)	(848)
								(849)	(850)	(851)	(852)	(853)	(854)	(855)	(856)	(857)
								(858)	(859)	(860)	(861)	(862)	(863)	(864)	(865)	(866)
								(867)	(868)	(869)	(870)	(871)	(872)	(873)	(874)	(875)
								(876)	(877)	(878)	(879)	(880)	(881)	(882)	(883)	(884)
								(885)	(886)	(887)	(888)	(889)	(890)	(891)	(892)	(893)
								(894)	(895)	(896)	(897)	(898)	(899)	(900)	(901)	(902)
								(903)	(904)	(905)	(906)	(907)	(908)	(909)	(910)	(911)
								(912)	(913)	(914)	(915)	(916)	(917)	(918)	(919)	(920)
								(921)	(922)	(923)	(924)	(925)	(926)	(927)	(928)	(929)
								(930)	(931)	(932)	(933)	(934)	(935)	(936)	(937)	(938)
								(939)	(940)	(941)	(942)	(943)	(944)	(945)	(946)	(947)
								(948)	(949)	(950)	(951)	(952)	(953)	(954)	(955)	(956)
								(957)	(958)	(959)	(960)	(961)	(962)	(963)	(964)	(965)
								(966)	(967)	(968)	(969)	(970)	(971)	(972)	(973)	(974)
								(975)	(976)	(977)	(978)	(979)	(980)	(981)	(982)	(983)
								(984)	(985)	(986)	(987)	(988)	(989)	(990)	(991)	(992)
								(993)	(994)	(995)	(996)	(997)	(998)	(999)	(1000)	(1001)

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, COLDLOOD CONTROL, NAVIGATION, SWATER SUPPLY, RECREATION.
- (3) - E=INSTALLED CAPACITY AND ENERGY NENEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - U=INSTALLED CAPACITY AND ENERGY TETUAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	ID#	NAME OF STREAM	PURP (1)	OWNER	LATITUDE (DM,N)	LONGITUDE (DM,W)	AREA (SQ MI)	ANNUAL INFLW (CFS)	AVERAGE POWER (FT)	NET HEAD (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (1000 AC FT)	ENERGY (GWH) (3)
COUNTY NAME: SHASTA													
PIT NO 6 RESERVOIR	CA000414	PIT RIVER	MS	PACIFIC GAS ELECT CO	40 55.4 121 59.6		5451.0	5000	155	128	16	79.20	335.0
PIT NO 7 RESERVOIR	CA000415	PIT RIVER	M	PACIFIC GAS ELECT CO	40 50.8 121 59.4		5601.0	5590	205	186	34	104.40	495.0
LAKE MCCLLOUD	CA000416	MCCLLOUD RIVER	M	PACIFIC GAS ELECT CO	41 7.9 122 4.2		420.0	1020	168	198	35	0	0
IRON CANYON RESERVOIR	CA000417	CEDAR SALT LUG CREEK	M	PACIFIC GAS ELECT CO	41 2.5 121 59.1		431.0	1089	1226	200	24	154.80	540.0
PIT NO 5 DIVERSITY	CA000422	PIT RIVER	M	PACIFIC GAS ELECT CO	40 59.4 121 52.2		4711.0	2797	13	15	0	0	0
MISSSELBECK DAM	CA01027	FK COTTONWOOD CREEK	I	CHARLES TRIS ADALE NAT CO	40 30.0 122 41.8		12.0	16	84	99	5	0	0
HAYNES RESERVOIR	CA01030	GOOSE CREEK	I	GOOSE VALLEY MANCH INC	40 54.4 121 45.9		5.0	10	53	62	6	0	0
COM CREEK POWERHOUSE	CA000006	SOUTH COM CREEK	M	PACIFIC GAS AND ELECT	40 34.2 122 1.0		72.0	88	715	0	0	1.44	12.0
KILARC POWERHOUSE	CA000011	N. FA. COM CREEK	M	PACIFIC GAS ELECT	40 40.2 121 51.7		29.0	209	1150	0	0	3.00	22.0
VOLTA POWERHOUSE	CA000012	HILL SEAT CREEK	M	PACIFIC GAS AND ELECT	40 27.5 121 52.3		98.0	230	1254	0	0	6.40	39.6
KESWICK RESERVOIR	CA010160	SACRAMENTO RIVER	M	DOJ USRR	40 36.7 122 25.6		6704.0	8747	74	121	25	75.00	477.5
SHASTA LAKE	CA010186	SACRAMENTO RIVER	M	ISHMC DOJ USRR	40 43.1 122 25.2		6665.0	7683	330	526	4662	454.32	2021.6

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, CULFLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
DEVELOPMENT, CONTROL, FARM POND, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

LEGEND

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES IRRIGATION, HYDROELECTRIC, CEFLOOD CONTROL, NAVIGATION, SEWATER SUPPLY, RECREATION,  
DEBRIS CONTROL, PEFISH POND, OTHER  
(3) - EINSTALLED CAPACITY AND ENERGY NENEN INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - UNINSTALLED CAPACITY AND ENERGY TETOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   C A L I F O R N I A

PROJECT NAME	IDNT * NUMBER * (1) *	NAME OF STREAM CR RIVER	PROJ * PUMP * (2) *	OWNER	*LATITUDE *LONGITUDE (DM,M)	*DRAINAGE AREA (SQ MI)	*AVERAGE ANNUAL *POWER INFLOW * (CF8)	*NET *HEIGHT OF *STORAGE HEAD * DAM * (FT)	*CAPACITY * ENERGY (Mk) * (GWh) (3) * (3)
COUNTY NAME: SONOMA									
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF									
KNIGHTS VALLEY	*CAU0024*	HAACAMA CREEK	*	*	*38 3.8	*59.0*	*110.*	*149.*	*223.*U 0.*U 2.09*U 2.8
	*SPN0042*		*	*	*122 4.5				*7
BIG SULPHUR	*CAU0025*	RIG SULPHUR CREEK	*	*	*38 4.9	*82.0*	*192.*	*353.*	*477.* 252.*U 0.*U 8.52*U 11.8
	*SPN0043*		*	*	*122 5.9				*7
WARM SPRINGS DAM	*CAU0032*	DURY CREEK	*CR	*CURPS	*38 42.0	*11.0*	*212.*	*203.*	*274.* 381.*U 0.*U 1.59*U 1.7
	*SPN0044*		*	*	*123 0.				*7
COUNTY NAME: STANISLAUS									
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF									
EUGENE	*CAU0118*	LITTLE JOHNS CRE	*	*	*37 53.8	*1019.0*	*1634.*	*21.*	*51.* 0.*U 3.59*U 17.1
	*SPK0436*	EX	*	*	*120 48.7				*7
KNIGHTS FERRY	*CAU0177*	STANISLAUS RIVER	*I	*	*37 50.0	*986.0*	*1327.*	*121.*	*160.* 15.*U 0.*U 55.45*U 132.7
	*SPK0437*		*	*	*120 38.8				*7
WOODWARD RESERV	*CAU0276*	SIMMONS CREEK (O+I	*	*SOUTH SAN JO	*37 51.7	*12.0*	*430.*	*51.*	*60.* 0.*E 3.00*U 12.0
IR	*SPK0438*	FFSTREAM)	*	*AQUIN I D	*120 52.6				*7
LA GRANGE RESERV	*CAU0278*	TUOLUMNE RIVER	*I	*TURLUCK AND	*37 40.3	*1538.0*	*446.*	*111.*	*131.* 1.*E 3.90*E 18.0
UIR	*SPK0439*		*	*MODESTO I D	*120 26.6				*7 0.*N 0.*
COUNTY NAME: TULARE									
FERC POWER SUPPLY AREA 46   FERC REGIONAL OFFICE CODE SF									
A-2	*CAU0033*	SOUTH FORK COTTOC	*	*	*40 19.0	*341.0*	*518.*	*167.*	*226.* 920.*U 0.*U 11.27*U 56.4
	*SPK0440*	WOOD CREEK	*	*	*122 26.9				*7
ANTELOPE BASIN	*CAU0041*	ANTELOPE, SALT, LI	*	*	*40 12.0	*48.0*	*111.*	*1150.*	*65.* 37.*U 0.*U 23.03*U 79.2
	*SPK0441*	TITLE ANTELOPE	*	*	*122 11.0				*7
BELLE-MILL	*CAU0055*	ANTELOPE CREEK	*	*	*40 10.9	*123.0*	*285.*	*29.*	*39.* 45.*U 0.*U 1.21*U 4.9
	*SPK0442*		*	*	*122 7.6				*7
L E G E N D									

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, SEWAGE SUPPLY, RECREATION,  
DEBRIS CONTROL, FARM POND, OTHER  
(3) - EXISTED CAPACITY AND ENERGY   NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY   TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM CR RIVER	PROJ PURPOSE (2)	OWNER	PLATTITUDE (DN.M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	AVERAGE ANNUAL POWER (KW)	NET HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY ENERGY (GWH) (3)
COUNTY NAME: YUBA											
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SP											
CROWN	CAU0099	DEER CREEK	CIR		39 9.0	52.0	106	48	48	11	0
	SPK0443				121 58.5					1.69	2.6
DEER NO. 1	CAU0101	DEER CRK			40 9.0	79.0	183	1618	0	185	0
	SPK0444				121 39.0						55.48
DEER CREEK NO 2	CAU0102	DEER CRK			40 4.0	126.0	194	828	0	0	0
	SPK0445				121 49.0						43.49
DEER CRK NO 3	CAU0103	DEER CRK			40 1.0	147.0	226	1070	0	0	0
	SPK0446				121 54.0						65.57
DEER CRK NO 4	CAU0104	DEER CRK			39 59.0	184.0	283	198	0	0	0
	SPK0447				121 57.0						15.19
DEER CREEK MEADOWS RESERVOIR	CAU0106	DEER CREEK			40 16.0	50.0	306	837	170	153	0
	SPK0448				121 26.4						69.43
DEHAVEN	CAU0107	LITTLE ANTELOPE			40 13.0	123.0	285	111	150	10	0
	SPK0449				122 5.0						4.24
DIPPINGVAT LAKE	CAU0110	SOUTH FORK COTTONWOOD CREEK	CIR		40 39.7	132.0	186	220	297	485	0
	SPK0450				122 34.9						14.10
GALATIN	CAU0132	ELDER CREEK			40 1.6	93.0	104	234	317	250	0
	SPK0451				122 30.5						7.25
HUNTER LAKE	CAU0153	SOUTH FORK COTTONWOOD CREEK			40 12.8	211.0	315	107	145	140	0
	SPK0452				122 32.0						5.58
IRON CANYON	CAU0161	SACRAMENTO RIVER			40 14.0	9625.0	12383	122	156	1000	0
	SPK0453				122 21.0						277.84
MORGAN SPRINGS	CAU0214	HILL CREEK			40 21.5	3.0	4	67	90	8	0
IVDAM	SPK0454				122 30.0						.12

LEGEND

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(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, C/FLOOD CONTROL, NAVIGATION, SWATER SUPPLY, RECREATION, DEBRIS CONTROL, PEPH POND, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDEN NUMBER (1)	NAME OF STREAM CR RIVER	PROJ PURP (2)	OWNER	*LATITUDE (LONGITUDE) (DM,M)	*DRAINAGE AREA (SQ MI)	*AVERAGE ANNUAL INFLW (CFB)	*NET POWER (FT)	*HEIGHT OF DAM (FT)	*MAXIMUM STORAGE (1000 AC FT)	*CAPACITY (WH) (3)	*ENERGY (WH) (3)	
COUNTY NAME: TEHAMA													
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF													
PAIN DAM	*CAU0233*	PAYNES CREEK	*FR		*40 0.	*92.0*	*213.*	*38.*	*52.*	*12.*	*0.*	*0.*	
	*SPK0455*				*122 0.						*1.24*	*4.9	
PAPE DAM	*CAU0235*	MILL CREEK			*40 9.5	*88.0*	*204.*	*252.*	*317.*	*200.*	*0.*	*0.*	
	*SPK0456*				*121 48.6						*6.68*	*29.5	
PASKENTA	*CAU0236*	THOMES CREEK			*39 52.4	*185.0*	*276.*	*186.*	*242.*	*400.*	*0.*	*0.*	
	*SPK0457*				*122 34.7						*17.12*	*30.7	
PASKENTA	*CAU0239*	THOMES CRK	*SIUCR		*39 52.5	*194.0*	*248.*	*172.*	*233.*	*130.*	*0.*	*0.*	
	*SPK0458*				*122 33.0						*16.58*	*29.7	
ROSEWOOD LAKE	*CAU0258*	DRY CREEK	*OI		*40 16.5	*127.0*	*80.*	*118.*	*160.*	*300.*	*0.*	*0.*	
	*SPK0459*				*122 33.1						*4.36*	*11.1	
S-1	*CAU0261*	SOUTH FORK COTTO			*40 20.9	*403.0*	*548.*	*129.*	*175.*	*575.*	*0.*	*0.*	
	*SPK0460*	ROWOOD CREEK			*122 21.7						*6.65*	*43.9	
SCHOENFELD	*CAU0268*	DEEN BANK CREEK			*40 6.4	*49.0*	*114.*	*247.*	*280.*	*150.*	*0.*	*0.*	
	*SPK0461*				*122 32.7						*3.79*	*16.3	
TEHAMA RESERVOIR	*CAU0298*	SOUTH FORK COTTO	*CSINO		*40 19.8	*382.0*	*268.*	*164.*	*216.*	*900.*	*0.*	*0.*	
	*SPK0462*	ROWOOD CREEK			*122 26.0						*11.01*	*53.4	
TOM HEAD LAKE	*CAU0302*	SOUTH FORK COTTO			*40 10.5	*137.0*	*204.*	*142.*	*192.*	*50.*	*0.*	*0.*	
	*SPK0463*	ROWOOD CREEK			*122 33.4						*5.17*	*13.9	
WING LAKE	*CAU0323*	TINKS CREEK			*40 20.2	*27.0*	*55.*	*146.*	*191.*	*250.*	*0.*	*0.*	
	*SPK0464*				*122 8.7						*2.66*	*4.4	
INSKIP POWERHOUSE	*CAU0614*	SOUTH FORK BATTL	*PACIFIC GAS		*40 24.1	*292.0*	*450.*	*378.*	*0.*	*0.*	*6.00*	*37.8	
E	*SPK0465*	E CREEK	*AND ELECT.		*121 58.6						*40.01*	*69.5	
BLACK BUTTE LAKE	*CAU1012*	STONEY CREEK	*CIR		*39 49.1	*736.0*	*109.*	*99.*	*135.*	*370.*	*0.*	*0.*	
	*SPK0466*				*122 20.2						*8.71*	*13.9	
*****													
LEGEND													

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, C/FLOOD CONTROL, NAVIGATION, SWATER SUPPLY, RECREATION,  
ORDERIS CONTROL, PEFARM FUND, GEOTHER  
(3) - E-INSTALLED CAPACITY AND ENERGY  
(3) - U-INSTALLED CAPACITY AND ENERGY  
NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION, U=URBANS CONTROL, P=RAIN POND, O=OTHER
- (3) - E=INSTALLED CAPACITY AND ENERGY N=N+ INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (X3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION, D=DEBRIS CONTROL, P=FARM POND, O=OTHER
- (3) - E=INSTALLED CAPACITY AND ENERGY N=NET INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - U=UNINSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

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INSTITUTE FOR WATER RESOURCES (ARMY) FORT BELVOIR VA  
NATIONAL HYDROELECTRIC POWER RESOURCES STUDY. PRELIMINARY INVEN--ETC(U)  
JUL 79 W R SIGLEO , J R HANCHEY , D G NOLTON

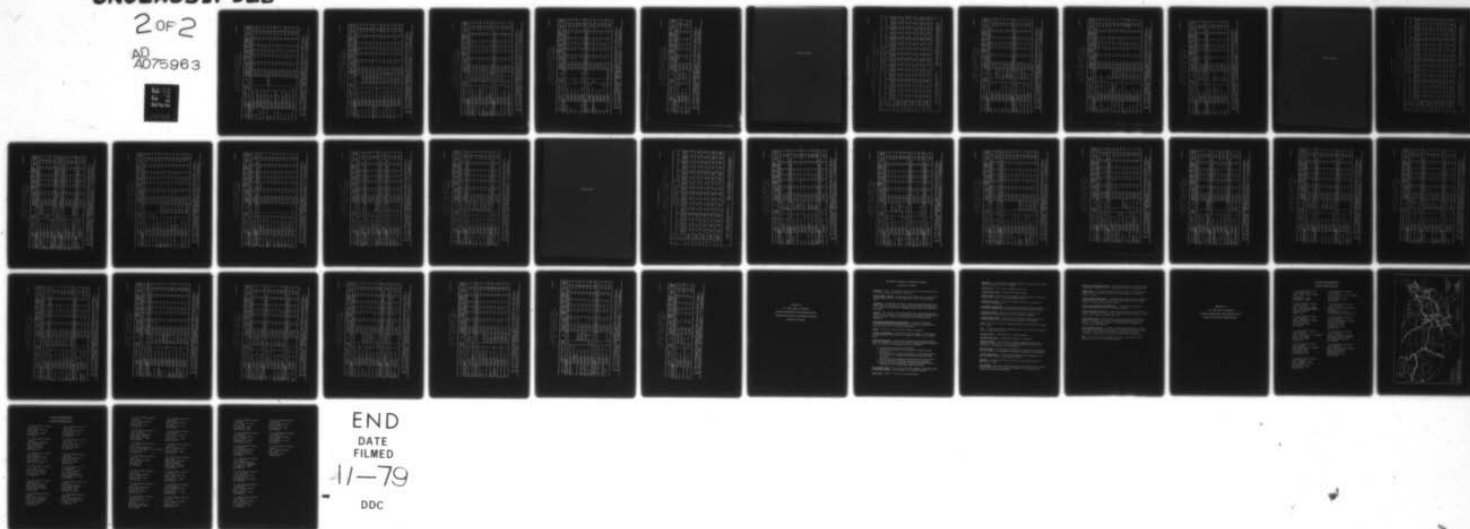
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( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDEN (1)	NAME OF STREAM CR RIVER	PROJ PURP (2)	CHWA	LONGITUDE (DM-M)	AREA (SQ MI)	DRAINAGE INFLW (CFS)	NET POWER (FT)	HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (KWH) (3)
COUNTY NAME: TUOLUMNE												
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE SF												
BIG HUMBURG CREEK	CAU0056	TUOLUMNE RIVER			37 23.0	1105.0	1772.0	233.0	0.0	80.0	0.0	0.0
	SPK0487				120 13.0					119.67	286.4	
BIG TREES	CAU0058	NORTH FORK STANI			38 17.0	147.0	374.0	293.0	396.0	162.0	0.0	0.0
	SPK0488	SLAUS RIVER			120 14.7					41.05	72.1	
BROWNS MEADOW	CAU0066	NORTH FORK TUOLU			38 7.2	11.0	29.0	222.0	222.0	77.0	0.0	0.0
	SPK0489	WNE RIVER			120 4.7					2.43	4.3	
GANN'S POWERHOUSE	CAU0133	NORTH FORK STANI			38 24.5	49.0	43.0	1418.0	150.0	6.0	0.0	0.0
	SPK0490	SLAUS RIVER			120 4.7					20.25	39.4	
HARDEN FLAT RESE	CAU0144	SOUTH FORK TUOLU			37 48.3	85.0	196.0	152.0	203.0	42.0	0.0	0.0
	SPK0491	WNE RIVER			119 57.4					2.97	11.2	
INGALLS	CAU0159	CLAVEY RIVER			37 56.0	102.0	235.0	1700.0	0.0	65.0	0.0	0.0
	SPK0492				120 13.0					146.99	266.6	
KENNEDY MEADOWS	CAU0176	MIDDLE FORK STAN			38 18.5	48.0	146.0	49.0	121.0	10.0	0.0	0.0
	SPK0493	SLAUS RIVER			119 45.0					3.44	7.5	
LORDS RESERVOIR	CAU0180	MULL CREEK			38 3.4	10.0	30.0	96.0	130.0	10.0	0.0	0.0
	SPK0494				120 4.5					1.22	1.9	
PAPER CARIN	CAU0236	NORTH FORK TUOLU			37 54.0	195.0	496.0	700.0	0.0	0.0	0.0	0.0
	SPK0495	WNE RIVER			120 14.0					130.24	228.9	
SAND BAR	CAU0267	MIDDLE FORK STAN			38 11.0	311.0	665.0	391.0	0.0	177.0	0.0	0.0
	SPK0496	SLAUS RIVER			120 8.0					82.30	180.1	
SOUTH FORK	CAU0280	SOUTH FORK TUOLU			37 49.0	108.0	249.0	824.0	0.0	0.0	0.0	0.0
	SPK0497	WNE RIVER			120 0.0					75.44	136.8	
STONE MEADOW	CAU0290	UNNAMED TRIB TO			37 51.0	47.0	9.0	89.0	105.0	9.0	0.0	0.0
	SPK0498	W TUOLUMNE R			119 51.1					3.39	7.4	

- LEGEND
- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, C&FLOOD CONTROL, NAVIGATION, SENAR SUPPLY, RECREATION, DEDEBIS CONTROL, P&FARM POND, D&OTHER
- (3) - E=INSTALLED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - U=INSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	ID#	NAME OF STREAM	PROJ#	LAITUDE	DRAINAGE	AVERAGE	NET	HEIGHT	MAXIMUM	STORAGE	CAPACITY	ENERGY
		CR RIVER	PURP#	LONGITUDE	AREA	ANNUAL	POWER	OF				
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COUNTY NAME: TUOLUMNE												
UPPER CLAVEY	CA00305	CLAVEY RIVER		37 59.0	135.0	311.0	1935.0	0.0	60.0	0.0	0.0	0.0
	SPK0499			120 3.0					0.0	0.0	0.0	0.0
EARLY IN TAKE	CA00120	TUOLUMNE RIVER		37 52.5	488.0	311.0	35.0	41.0	0.0	0.0	0.0	0.0
	SPK0500			119 57.3					0.0	0.0	0.0	0.0
LAKE ELEANOR	CA00121	ELEANOR CREEK		37 58.4	78.0	65.0	48.0	57.0	28.0	0.0	0.0	0.0
	SPK0501			119 52.7					0.0	0.0	0.0	0.0
MOCCASIN LOWER	CA00122	MOCCASIN CREEK		37 48.7	26.0	79.0	45.0	53.0	1.0	0.0	0.0	0.0
	SPK0502			120 10.3					0.0	0.0	0.0	0.0
WETCH HETCHY RSV	CA00123	TUOLUMNE RIVER		37 56.4	455.0	999.0	1450.0	296.0	360.0	0.0	0.0	0.0
	SPK0503			119 47.2					0.0	0.0	0.0	0.0
PRIEST RESERVOIR	CA00124	RATTLESNAKE CREEK		37 48.1	3.0	650.0	139.0	163.0	2.0	0.0	0.0	0.0
	SPK0504			120 15.9					0.0	0.0	0.0	0.0
CHERRY LAKE	CA00125	CHERRY CREEK		37 58.5	193.0	670.0	2481.0	300.0	268.0	0.0	0.0	0.0
	SPK0505			119 54.5					0.0	0.0	0.0	0.0
BEARDSLEY LAKE	CA00263	MID FK STANISLAUS RIVER		38 12.2	316.0	635.0	264.0	240.0	98.0	0.0	0.0	0.0
	SPK0506			120 4.5					0.0	0.0	0.0	0.0
DONNELLS RESERVOIR	CA00264	MID FK STANISLAUS RIVER		38 19.8	224.0	240.0	1484.0	272.0	65.0	0.0	0.0	0.0
	SPK0507			119 57.7					0.0	0.0	0.0	0.0
BEARDSLEY AFTERBAY	CA00266	MID FK STANISLAUS RIVER		38 11.8	303.0	635.0	28.0	33.0	0.0	0.0	0.0	0.0
	SPK0508			120 5.4					0.0	0.0	0.0	0.0
NEW DON PEDRO	CA00281	TUOLUMNE RIVER		37 42.0	1546.0	1466.0	530.0	513.0	2030.0	0.0	0.0	0.0
	SPK0509			120 25.2					0.0	0.0	0.0	0.0
LYONS	CA00387	FK STANISLAUS RIVER		38 5.6	67.0	129.0	1190.0	104.0	6.0	0.0	0.0	0.0
	SPK0510			120 10.1					0.0	0.0	0.0	0.0

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, CEFLOW CONTROL, NAVIGATION, SWATER SUPPLY, RECREATION,  
(3) - ESTIMATED CAPACITY AND ENERGY: INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, GEFLOOD CONTROL, NAVIGATION, SEWATER SUPPLY, RECREATION,  
DECEMBERIS CONTROL, PEFARM POND, GETHEN  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF CALIFORNIA

PROJECT NAME	IDENT	NAME OF STREAM	PROJ#	CHNR	LONGITUDE	DRAINAGE	AVERAGE ANNUAL	NET POWER	HEIGHT	MAXIMUM	STORAGE	CAPACITY	ENERGY
	(1)	CR RIVER	(2)		(DM-M)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(MW)	(3)	(3)
COUNTY NAME: YOLO													
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F													
BLUE RIDGE	CAU0062	CACHE CREEK			38 56.0	952.0	434.	444.	601.	1500.	0.	0.	0.
	SPK0517				122 17.5						106.43	108.1	
BROOKS	CAU0065	CACHE CRK			38 45.0	1044.0	476.	37.	50.	6.	0.	0.	0.
	SPK0518				122 5.3						3.31	5.0	
GUINDA	CAU0143	CACHE CRK			38 50.5	992.0	630.	118.	160.	303.	0.	0.	0.
	SPK0519				122 11.5						29.64	28.9	
UAT	CAU0225	OAT CRK			38 49.5	26.0	14.	60.	71.	15.	0.	0.	0.
	SPK0520				121 57.0						34	.3	
PUTAM DIVERSION	CAU0180	PUTAM CREEK			38 30.0	574.0	514.	16.	16.	1.	0.	0.	0.
	SPK0521				122 .2						64	2.2	
COUNTY NAME: YUBA													
FERC POWER SUPPLY AREA 46 FERC REGIONAL OFFICE CODE 3F													
BANGOR	CAU0050	NORTH HONCUT CRE			39 23.5	47.0	109.	39.	53.	5.	0.	0.	0.
	SPK0522	SEK			121 28.0						1.28	2.4	
MARYSVILLE LAKE	CAU0198	YUBA RIVER			39 13.3	1296.0	3138.	330.	358.	916.	0.	0.	0.
(PARKS BAR SITE)	SPK0523				121 19.7						183.39	387.9	
NEW YORK	CAU0218	NEW YORK			39 28.5	11.0	20.	103.	140.	30.	0.	0.	0.
	SPK0524				121 15.0						90	1.2	
WALDO	CAU0312	DRY CRK			39 7.0	70.0	107.	168.	227.	300.	0.	0.	0.
	SPK0525				121 18.5						3.72	7.6	
WAMBO	CAU0314	N FK, YUBA RIVER			39 31.0	267.0	794.	645.	0.	0.	0.	0.	0.
	SPK0526				121 6.0						143.61	345.5	
VIRGINIA RANCH	CAU0442	FRENCH DRY CREEK			39 19.4	72.0	110.	117.	145.	66.	0.	0.	0.
	SPK0527	IRR DIST			121 18.7						2.99	5.7	
L E G E N D													

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
DEDEERIS CONTROL, PEFARM POND, OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



IN THE STATE OF CALIFORNIA

[illegible]

STATE OF HAWAII

( 07/08/79 )

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF HAWAII

POTENTIAL INCREMENTAL CAPACITY RANGES												
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( 07/09/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   H A W A I I

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PROJ. PURP. (2)	OWNER	LATITUDE (N, M)	LONGITUDE (W, M)	AREA (SQ MI)	AVERAGE ANNUAL INFLU (CFS)	NET HEIGHT OF DAM (FT)	MAXIMUM STORAGE CAPACITY (MH)	ENERGY (KWH)
COUNTY NAME: HAWAII											
FERC POWER SUPPLY AREA 50   FERC REGIONAL OFFICE CODE SF											
*****											
WAILOA	HI00007	WAILOA	M		20 4.8	155 37.3	14.0	71.0	253.0	0.0	0.0
	PH00001									0.0	0.0
PUEO	HI00128	WAILUKU	M	WILU ELECTRIC	19 43.8		0.0	0.0	400.0	0.0	2.25E 19.0
	PH00002			C LIGHT CO	155 5.6					0.0	0.0
WAIU	HI00129	WAILUKU	M	WILU ELECTRIC	19 43.4		0.0	0.0	322.0	0.0	1.10E 9.2
	PH00003			C	155 7.3					0.0	0.0
HONOKAA	HI00130	LOWER HAKAKUA	M	HONOKAA SUGA	20 5.8		0.0	0.0	415.0	0.0	0.0E 3.0
	PH00004			R CU	155 28.2					0.0	0.0
PAPAIOU HILL	HI00131	NONNAME-OFFSTREAM	M	WILU COAST P	19 47.0		0.0	0.0	207.0	0.0	0.0E 1.0
	PH00005			RUCESING CO	155 5.8					0.0	0.0
UNION	HI00132	KOHALA DITCH	M	KOHALA CORP	20 14.5		0.0	41.0	565.0	0.0	0.0E 0.0
	PH00006			RATION	155 48.7					0.0	0.0E 0.0
COUNTY NAME: HONOLULU											
*****											
FERC POWER SUPPLY AREA 50   FERC REGIONAL OFFICE CODE SF											
*****											
KANEOME KAILUA	HI00002	KAMUCALII STREAM	M	C+C HONOLULU	21 23.7		3.0	10.0	56.0	76.0	0.0
	PH00007				157 48.4						0.0
NUUANU RESERVOIR	HI00001	NUUANU STREAM	M	HONOLULU BOA	21 21.3		2.0	4.0	51.0	69.0	0.0
	PH00008			RD OF WATER	157 48.6						0.0
MAHIANA RESERVOIR	HI00017	KAIKONAHUA STREAM	M	CASTLE AND C	21 30.0		17.0	203.0	70.0	88.0	0.0
	PH00009			COOK LTD	158 3.1						0.0
KU TREE RESERVOIR	HI00025	TR-KAUKONAHUA ST	M	ODD USA	21 30.0		1.0	3.0	80.0	97.0	0.0
	PH00010	REAM			157 59.0						0.0
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L E G E N D											
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- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: I=IRRIGATION, M=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION,  
O=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY   N=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
U=UNINSTALLED CAPACITY AND ENERGY   T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF HAWAII

PROJECT NAME	ID	NAME OF STREAM	CH	RIVER	PROJ#	PURP#	OWNER	LATITUDE	DRAINAGE	AREA	ANNUAL	POWER	OF	STORAGE	CAPACITY	ENERGY
	(1)				(2)			(DM,M)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)	(3)	(3)
COUNTY NAME: MAUI																
FERC POWER SUPPLY AREA 50 FERC REGIONAL OFFICE CODE SF																
MAHALEI	*HI00001*	MAHALEI RIVER	*H					*22 7.9*	*10.0*		*104.2*	*263.2*	*0.2*	*0.2*	*0.2*	*0.2*
	*PH00011*							*159 28.1*								*4.48E 16.5*
KOKEE WATER PROJ	*HI00003*	KOKEE RIVER	*H					*22 8.0*	*1.0*		*9.2*	*960.2*	*234.2*	*0.2*	*0.2*	*0.2*
ECT	*PH00012*							*159 37.1*								*2.74E 4.9*
LUMAHAI	*HI00004*	LUMAHAI RIVER	*H					*22 12.0*	*10.0*		*162.2*	*312.2*	*0.2*	*0.2*	*0.2*	*0.2*
	*PH00013*							*159 32.4*								*14.82E 33.6*
MAHALEA	*HI00005*	SOUTH FORK MAHALEA RIVER	*H					*22 2.0*	*18.0*		*90.2*	*144.2*	*185.2*	*0.2*	*0.2*	*0.2*
	*PH00014*							*159 26.0*								*4.27E 7.8*
PUU LIA RESERVOIR	*HI00002*	MAHALEA STREAM	*H					*22 5.5*	*7.0*		*61.2*	*86.2*	*105.2*	*0.2*	*0.2*	*0.2*
	*PH00015*							*159 40.9*								*1.72E 3.0*
KAPAIA RESERVOIR	*HI00012*	MAHALEA STREAM	*H					*22 1.2*	*2.0*		*10.2*	*37.2*	*45.2*	*0.2*	*0.2*	*0.2*
	*PH00016*							*159 23.9*								*.12E .2*
KOLOKO RESERVOIR	*HI00030*	OFFSTREAM	*H					*22 10.8*	*1.0*		*10.2*	*36.2*	*44.2*	*0.2*	*0.2*	*0.2*
	*PH00017*							*159 22.9*								*.07E .2*
ALEXANDER RESERVOIR	*HI00009*	MAHALEA STREAM	*H					*21 57.6*	*3.0*		*14.2*	*700.2*	*129.2*	*3.2*	*1.00E 2.1*	*2.02E 3.5*
	*PH00018*							*159 31.6*								
MAHINA	*HI00012*	MAHINA	*H					*22 11.9*	*13.0*		*181.2*	*565.2*	*0.2*	*0.2*	*0.2*	*3.80E 24.0*
	*PH00019*							*159 33.5*								*19.31E 38.9*
UPPER LIMUE	*HI00013*	MAHINA	*H					*22 1.5*	*0.2*		*0.2*	*247.2*	*0.2*	*0.2*	*0.2*	*.50E 3.0*
	*PH00020*							*159 28.0*								*0.2E 0.2*
LOWER LIMUE	*HI00013*	FK MAHINA	*H					*22 1.3*	*0.2*		*0.2*	*206.2*	*0.2*	*0.2*	*0.2*	*.80E 5.0*
	*PH00021*							*159 26.8*								*0.2E 0.2*
HYDRO KAHAKANI	*HI00015*	MAHINA	*H					*22 .2*	*5.0*		*17.2*	*211.2*	*0.2*	*0.2*	*0.2*	*.50E 3.1*
	*PH00022*							*159 36.9*								*0.2E 0.2*

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, M=NAVIGATION, S=WATER SUPPLY, R=RECREATION,  
(3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - U=UNINSTALLED CAPACITY AND ENERGY, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

IN THE STATE OF HAWAII:

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES I=IRRIGATION, H=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,  
O=OTHERS CONTROL, P=FAHM POND, O=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY N=N=INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - U=UNINSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

STATE OF NEVADA







( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF NEVADA

PROJECT NAME	IDNT	NAME OF STREAM	PHOJA	*LATITUDE*	*DRAINAGE*	*AVERAGE*	*NET*	*HEIGHT*	*MAXIMUM*	*STORAGE*	*CAPACITY*	*ENERGY*
	NUMBER	OR RIVER	PUMP	*LONGITUDE*	AREA	ANNUAL	POWER	OF				
	(1)		(2)	(ON,H)	(SQ MI)	(CFS)	HEAD	DAM	(1000	(GWH)		
							(FT)	(FT)	AC FT)	(3)	(3)	
COUNTY NAME: CHURCHILL												
OLD RIVER RESERVOIR	I	TRUCKEE CARS		39 32.4	2000.0	123.	17.	20.	1.4E	0.	4E	0.
QIR (SAGUOSPE DA)	SPK0735	ON IRIG	D13	118 43.7						.76N	1.3	
CARSON RIVER DIV.	IHS	DUI USBR		39 29.7	1800.0	500.	14.	14.	1.4E	0.	4E	0.
ERSON	SPK0736			118 59.6						2.22N	4.3	
LAHONTAN RESERVOIR	IHS0	DUI USBR		39 27.8	1750.0	448.	120.	115.	426.4E	2.40E	13.0	
IR	SPK0737			119 4.0						0.	4N	0.
STILLWATER POINT	I	BSFW		39 31.9	2000.0	123.	26.	30.	19.4E	0.	4E	0.
RESERVOIR	SPK0738			118 28.8						1.18N	1.8	
COUNTY NAME: CLARK												
(LAKE HEAD) MOON	INCUN	DUI USBR		36 0.	167600.0	17000.	491.	592.	30237.4E	667.50E	2055.5	
ER DAM	SR			114 42.0						0.	4N	0.
COUNTY NAME: DOUGLAS												
WATASHEANU RESERVOIR	IC			38 50.0	344.0	208.	236.	264.	115.4U	0.	4U	0.
	SPK0739	RIVER		119 42.0						21.32E	31.8	
MOVE CANYON RESERVOIR	IC			38 42.5	533.0	564.	55.	75.	75.4U	0.	4U	0.
	SPK0740	WALKER RIVER		119 36.0						3.38E	14.0	
TOPAZ RESERVOIR	I	WALKER RIVER		38 41.6	500.0	235.	23.	27.	59.4E	0.	4E	0.
	SPK0741	OFF STREAM)		119 30.4						4.00N	8.3	
COUNTY NAME: ELKO												
PAISVILLE	NP000001	EAST FORK OMYEE RIVER		41 48.0	332.0	105.	350.	0.	0.4U	0.	4U	0.
	NP00386	RIVER		115 57.3						5.59E	24.5	

LEGEND

LEGEND

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(2) - PROJECT PURPOSES: I=IRRIGATION, H=HYDROELECTRIC, C=FLLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION, U=URBAN CONTROL, P=PEAK POND, D=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY: T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

POTENTIAL HYDROPOWER SITES  
IN THE STATE OF NEVADA

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.
- (2) - PROJECT PURPOSE: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, DEBRIS CONTROL, FARM POND, OTHER
- (3) - ESTIMATED CAPACITY AND ENERGY NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (4) - UNINSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

LEGGEND





( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF NEVADA

PROJECT NAME	IDENT	NAME OF STREAM	PROJ#	NUMBER	CR RIVER	OWNER	LONGITUDE	AREA	ANNUAL * POWER	AVERAGE * NET HEIGHT	MAXIMUM * OF STORAGE	CAPACITY * ENERGY
	(1)						(DM,M)	(SU MI)	(CFS)	(FT)	(AC FT)	(3)
COUNTY NAME: LANDER												
ROCK CREEK RESERVOIR	NV00013	ROCK CREEK	IC				40 52.5	615.0	30.	65.	80.	0.
VOIR	SPK0762						116 40.6					.73
												1.0
COUNTY NAME: LYON												
EUREKA RESERVOIR	NV00014	CARSON RIVER	MIC				39 12.0	676.0	395.	200.	0.	0.
VOIR	SPK0763						119 38.0					.19
												10.5
PAIUTE RESERVOIR	NV00015	CARSON RIVER OFFCH					39 12.0	676.0	718.	11.	15.	0.
VOIR	SPK0764	STREAM					119 38.0					.95
												4.5
26 FOOT DROP POND	NV00016	SIERRA PACIFIC CANAL (CARSON RIVER)					39 29.0	2000.0	100.	26.	0.	0.
ER PLANT	SPK0765						118 53.5					.80
												5.0
COUNTY NAME: MINERAL												
WEBER RESERVOIR	NV01032	WALKER RIVER	I				39 2.7	2700.0	158.	29.	35.	0.
VOIR	SPK0766						118 51.6					.17
												4.9
COUNTY NAME: PERMONG												
UPPER PITT TAYLOR RESERVOIR	NV00002	HUMBOLDT RIVER	I				40 38.3	15700.0	207.	15.	18.	0.
VOIR	SPK0767						118 16.3					.27
												1.1
LOWER PITT TAYLOR RESERVOIR	NV00003	HUMBOLDT RIVER	I				40 36.3	15700.0	207.	22.	26.	0.
VOIR	SPK0768						118 18.0					.15
												5.0
RYE PATCH RESERVOIR	NV01024	HUMBOLDT RIVER	I				40 28.2	13700.0	167.	66.	66.	0.
DIR	SPK0769						118 18.0					.39
												2.7

LEGEND

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- (2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, SEWER SUPPLY, RECREATION, OR OTHERS: CONTROL, POND, DITCH
- (3) - E=INSTALLED CAPACITY AND ENERGY INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)
- (3) - U=INSTALLED CAPACITY AND ENERGY TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/09/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF NEVADA

PROJECT NAME	PROJECT NUMBER (1)	NAME OF STREAM OR RIVER	PUMP (2)	DAMNER	LATITUDE (DM,M)	DRAINAGE AREA (SQ MI)	ANNUAL INFLUEN (CFD)	AVERAGE HEAD (FT)	NET HEIGHT OF DAM (FT)	MAXIMUM STORAGE (1000 AC FT)	CAPACITY (MW) (3)	ENERGY (GWH)
COUNTY NAME: STOREY												
DERBY DAM	NV10121 *SPK0770*	TRUCKEE RIVER	IHS	DOJ USBR	39 35.2 *119 26.8*	1700.0*	800.0*	15.0*	15.0*	1.0E 0.0E *N 2.31N 3.1	0.0E 0.0E	0.0E 0.0E
COUNTY NAME: WASHOE												
UPPER WALL CREEK RESERVOIR	NV00023 *SPK0771*	WALL CREEK	I	LEWIS COCKRELL	41 9.9 *119 49.0*	243.0*	78.0*	47.0*	55.0*	2.0E 0.0E *N 1.06N 2.5	0.0E 0.0E	0.0E 0.0E
HIGHLAND RESERVOIR	NV00067 *SPK0772*	TRUCKEE RIVER	I	SIENNA PACIFIC *IC POWER CO	39 32.5 *119 49.7*	1067.0*	679.0*	9.0*	10.0*	0.0E 0.0E *N .74N 4.0	0.0E 0.0E	0.0E 0.0E
MARLETTE LAKE	NV00069 *SPK0773*	MARLETTE CREEK	S	STATE OF NEVADA *ADA	39 10.3 *119 54.4*	3.0*	8.0*	37.0*	43.0*	10.0E 0.0E *N .09N .2	0.0E 0.0E	0.0E 0.0E
PLEISH POWER PLANT	NV00033 *SPK0774*	TRUCKEE RIVER	M	SIENNA PACIFIC *IC POWER CO	39 28.5 *119 59.5*	978.0*	800.0*	125.0*	0.0*	0.0E 2.00E *N 0.0E 0.0E	0.0E 0.0E	0.0E 0.0E
VERDI POWER PLANT	NV00044 *SPK0775*	TRUCKEE RIVER	M	SIENNA PACIFIC *IC POWER CO	39 31.5 *119 58.7*	994.0*	800.0*	96.0*	0.0*	0.0E 2.40E *N 0.0E 0.0E	0.0E 0.0E	0.0E 0.0E
VERDI DIVERSION DAM	NV00005 *SPK0776*	TRUCKEE RIVER	M	SIENNA PACIFIC *IC POWER CO	39 31.4 *119 57.8*	1028.0*	800.0*	86.0*	0.0*	0.0E 1.50E *N 0.0E 0.0E	0.0E 0.0E	0.0E 0.0E
COUNTY NAME: WHITE PINE												
KEYSTONE RESERVOIR	NV00023 *SPK0777*	GLEASON CREEK	IC		39 18.0 *114 58.5*	55.0*	95.0*	34.0*	46.0*	2.0E 0.0E *T 1.23T 2.0	0.0E 0.0E	0.0E 0.0E

LEGEND

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(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=LOAD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,  
D=DEBRIS CONTROL, P=PAVING, G=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY, T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

STATE OF UTAH

( 07/08/79 )

... PRELIMINARY ESTIMATE ...

PHYSICAL POTENTIAL FOR ADDITIONAL  
HYDROELECTRIC CAPACITY AND ENERGY DEVELOPMENT  
IN THE STATE OF UTAH

POTENTIAL INCREMENTAL CAPACITY RANGES											
EXISTING HYDROPOWER DEVELOPMENT			CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)								
ADDITIONAL POTENTIAL AT EXISTING DAMS			ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)								
UNDEVELOPED POTENTIAL											
NUMBER	CAPACITY	ENERGY	0-19	20-49	50-99	>100	TOTAL	0-19	20-49	50-99	>100
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
9.4	1.2	10.6	1.2	10.6	1.2	10.6	1.2	10.6	1.2	10.6	1.2
20.9	2.1	25.0	2.1	25.0	2.1	25.0	2.1	25.0	2.1	25.0	2.1
3	3.0	12.0	3.0	12.0	3.0	12.0	3.0	12.0	3.0	12.0	3.0
29.0	13.4	42.5	29.0	13.4	42.5	29.0	13.4	42.5	29.0	13.4	42.5
83.1	33.1	116.2	83.1	33.1	116.2	83.1	33.1	116.2	83.1	33.1	116.2
34	30.0	120.0	34	30.0	120.0	34	30.0	120.0	34	30.0	120.0
49.4	93.8	66.0	49.4	93.8	66.0	49.4	93.8	66.0	49.4	93.8	66.0
243	255	145	243	255	145	243	255	145	243	255	145
38	79	24	38	79	24	38	79	24	38	79	24
51.3	135	80.7	51.3	135	80.7	51.3	135	80.7	51.3	135	80.7
254	364	220	254	364	220	254	364	220	254	364	220
TOTAL	51.3	135	51.3	135	135	51.3	135	135	51.3	135	135
38	79	24	38	79	24	38	79	24	38	79	24
51.3	135	80.7	51.3	135	80.7	51.3	135	80.7	51.3	135	80.7
254	364	220	254	364	220	254	364	220	254	364	220
TOTAL	51.3	135	51.3	135	135	51.3	135	135	51.3	135	135

LEGEND

COLUMN 1 = EXISTING HYDROPOWER DEVELOPMENT  
COLUMN 2 = ADDITIONAL POTENTIAL AT EXISTING DAMS  
COLUMN 3 = UNDEVELOPED POTENTIAL  
COLUMN 4 = TOTAL POTENTIAL AT ALL SITES (SUM OF COLUMNS 2 AND 3)  
CAPACITY = SUM OF CAPACITIES FOR GIVEN HEAD RANGE (MEGAWATT)  
ENERGY = SUM OF ENERGIES FOR GIVEN HEAD RANGE (GIGAWATT-HOUR)



( 07/10/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF UTAH

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM CN RIVER	PROJ# (2)	OWNER	LATITUDE (DM,M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET WEIGHT OF HEAD (FT)	MAXIMUM DAM (FT)	STORAGE CAPACITY (1000 AC FT)	ENERGY (KWH) (3)
COUNTY NAME: BEAVER											
ROCKY FORD	UT00259 SPK0787	BEAVER RIVER	I	ROCKY FORD RR CO	38 13.0 112 50.0	534.0	37.0	51.0	60.0	27.0E .50N	0.0E 1.0E
BEAVER NO 2 POND HOUSE	UT0005031 SPK0788	BEAVER RIVER	M	BEAVER CITY COMP	38 17.1 112 36.0	90.0	50.0	140.0	0.0	0.0E .28E 0.0E	1.0E 0.0E
COUNTY NAME: BOX ELDER											
BLUE CREEK	UT00044 SPK0789	BLUE CREEK	I	BLUE CREEK RR CO	41 0.4 112 27.4	93.0	70.0	30.0	45.0	3.0E .90N	0.0E 1.0E
BOX ELDER CREEK	UT00050 SPK0790	BOX ELDER CREEK	I	BRIGHAM CITY CONSER CO	41 26.8 111 54.8	14.0	15.0	49.0	58.0	3.0E .30N	0.0E .5E
CUTLER	UT00079 SPK0791	BEAR RIVER	M I	UTAH POWER LIGHT CO	41 50.1 112 3.0	6267.0	2000.0	127.0	91.0	27.0E .30E 2.95N	74.5E 51.0E
MANTUA	UT00146 SPK0792	ROCK CREEK	M	BRIGHAM CITY CORP	41 29.6 111 56.1	15.0	16.0	21.0	25.0	8.0E .18N	0.0E .2E
SOUTH JUNCTION ES	UT00025 SPK0793	SOUTH JUNCTION CREEK	M I	DIV WATER RE SOURCES	41 50.7 113 43.1	15.0	9.0	24.0	28.0	1.0E .09N	0.0E .1E
BRIGHAM POWERHOUSE SE NO 1	UT00052 SPK0794	BOX ELDER CREEK	M	BRIGHAM CITY CORP	41 30.1 111 59.3	12.0	16.0	575.0	0.0	0.0E 1.20E 1.53N	4.0E 1.0E 1.0E
BRIGHAM POWERHOUSE SE NO 2	UT00053 SPK0795	BOX ELDER CREEK	M	BRIGHAM CITY CORP	41 30.1 111 59.7	12.0	16.0	500.0	0.0	0.0E .45E 2.17N	3.1E 1.7E
COUNTY NAME: CACHE											
BEAVER NARROWS	UT00059 SPK0796	LOGAN RIVER	C		41 59.0 111 36.0	17.0	45.0	96.0	130.0	5.0E .1E	0.0E 3.0E
LEGEND											

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(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, C&FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
WATER POND, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: NEW, INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/10/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   U T A H

PROJECT NAME	IDNT	NAME OF STREAM	PRCJ	OWNER	LONGITUDE	DRAINAGE AREA	ANNUAL INFLOW	AVERAGE ANNUAL POWER	NET WEIGHT	MAXIMUM CF	STORAGE	CAPACITY	ENERGY
	(1)	CR RIVER	PURP		(DM.P)	(SQ MI)	(CFS)	(FT)	(FT)	(1000)	(M3)	(M3)	(KWH)
												(3)	(3)
COUNTY NAME: CACHÉ													
FERC POWER SUPPLY AREA 41   FERC REGIONAL OFFICE CODE 8F													
BLACKSMITH FORK (CHARDWARE RANCH)	UT00060	BLACKSMITH FORK	SPK0796		41 36.0	268.0	129.0	96.0	130.0	13.0	0.0	0.0	0.0
					111 34.0						1.93	8.0	
PORCUPINE	UT00251	EAST FK LITTLE R	SPK0797	PORCUPINE RES	41 31.2	57.0	38.0	123.0	151.0	13.0	0.0	0.0	0.0
		BEAR RIVER		S CO	111 44.4						1.85	3.5	
UPPER LOGAN CITY	UT00310	LOGAN RIVER	SPK0798		41 45.0	214.0	120.0	99.0	15.0	0.0	1.40	6.0	0.0
				ORP	111 42.2						0.0	0.0	0.0
LOGAN AGRICULTURE	UT00061	LOGAN RIVER	SPK0799		41 44.4	220.0	247.0	99.0	0.0	0.0	0.0	1.3	0.0
E POWERHOUSE				CK COLLEGE	111 47.4						3.70	18.2	
MYRUM RESERVOIR	UT10123	LITTLE BEAR RIVER	SPK0800	USBR	41 37.5	217.0	91.0	82.0	82.0	19.0	0.0	0.0	0.0
					111 52.5						0.97	2.6	
NEWTON RESERVOIR	UT10129	CLARKSTON CREEK	SPK0801	USBR	41 54.0	58.0	9.0	46.0	57.0	6.0	0.0	0.0	0.0
					111 59.0						0.0	0.0	0.0
COUNTY NAME: CARBON													
FERC POWER SUPPLY AREA 41   FERC REGIONAL OFFICE CODE 8F													
MCDONALD AND MAT	UT00001	WILLOW CREEK	SPK0802		39 48.0	62.0	8.0	40.0	54.0	2.0	0.0	0.0	0.0
EROS DAMS					110 48.0						0.77	1.1	
WHITE R TO GRAY	UT00039	GREEN RIVER	SPK0803		39 44.5	39500.0	6215.0	52.0	0.0	0.0	0.0	0.0	0.0
CANYON RESERVOIR					109 58.5						98.15	222.0	
SCOTFIELD	UT10133	PRICE RIVER	SPK0804	USBR	39 47.2	163.0	79.0	50.0	60.0	112.0	0.0	0.0	0.0
					111 7.5						1.35	2.8	
COUNTY NAME: DAGUER													
FERC POWER SUPPLY AREA 41   FERC REGIONAL OFFICE CODE 8F													
HICKERSON PARK	UT00002	SHEEP CREEK	SPK0805		40 53.0	43.0	35.0	71.0	96.0	9.0	0.0	0.0	0.0
					109 53.0						1.10	1.5	

L E G E N D

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O=DEBRIS CONTROL, P=FARM POND, D=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY   N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
          U=UNINSTALLED CAPACITY AND ENERGY   T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/10/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   U T A H

PROJECT NAME	PROJECT NUMBER (1)	NAME OF STREAM ON RIVER	PROJECT (2)	OWNER	LATITUDE (N, S, E, W)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET HEAD (FT)	DAM (FT)	STORAGE (AC FT)	CAPACITY (M3)	ENERGY (KWH)
COUNTY NAME: DAGGETT												
FLAMING GORGE RE-UT010031		GREEN RIVER			40 54.0	15100.0	2314.0	32.0	0.0	0.0	0.0	0.0
BACKWATER ECHO	SPK0806				109 24.0						32.25	40.3
FLAMING GORGE RE-UT010121		GREEN RIVER			40 54.4	15150.0	2072.0	435.0	453.0	4003.0	108.00	600.0
SERVOIR	SPK0807				109 25.2						0.0	0.0
COUNTY NAME: DUCHESNE												
UINTA RESERVOIR	UT00029	UINTA RIVER			40 35.5	160.0	185.0	1500.0	0.0	0.0	0.0	0.0
	SPK0809				110 6.8						78.35	187.5
UPPER ROCK CREEK	UT00040	ROCK CREEK			40 35.0	98.0	147.0	780.0	0.0	0.0	0.0	0.0
	SPK0810				110 42.5						24.00	41.0
LOWER ROCK CREEK	UT00041	ROCK CREEK			40 32.0	131.0	154.0	710.0	0.0	0.0	0.0	0.0
	SPK0811				110 38.0						37.11	55.7
YELLOWSTONE	UT00044	YELLOWSTONE CREEK			40 34.5	110.0	109.0	1500.0	0.0	0.0	0.0	0.0
	SPK0812				110 19.5						57.53	107.0
BIG SAND WASH RE-UT00037		BIG SAND WASH			40 17.6	20.0	6.0	72.0	85.0	12.0	0.0	0.0
SERVOIR	SPK0815				110 13.8						0.0	0.0
RED CREEK	UT00254	RED CREEK			40 18.2	39.0	10.0	82.0	97.0	6.0	0.0	0.0
	SPK0816				110 50.9						1.00	1.7
YELLOWSTONE POWER	UT000303	YELLOWSTONE CREEK			40 34.5	131.0	141.0	250.0	10.0	0.0	.90	8.3
N DIVERSION	SPK0817				110 19.6						3.71	13.6
TWIN POTS (FARMS)	UT000308	WEST FK OF LAKE			40 30.4	128.0	148.0	28.0	33.0	4.0	0.0	0.0
NORTH RESERVOIR	SPK0818	CREEK			110 25.5						.99	2.7
UINTAH POWER PLANT	UT00074	POLE CREEK			40 31.9	181.0	209.0	450.0	0.0	0.0	1.20	7.5
T	SPK0819				110 3.9						24.65	55.7

L E G E N D

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(2) - PROJECT PURPOSE: I=IRRIGATION, H=HYDROELECTRIC, C=CELESTIAL CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,  
O=OTHER CONTROL, P=PAVING FUND, D=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY, N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/10/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF UTAH

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PURPOSE (1)	OWNER	LATITUDE (DM, M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET HEAD (FT)	DAM (FT)	STORAGE (1000 AC FT)	CAPACITY (GWH) (3)	ENERGY (3)
COUNTY NAME: DUCHENE												
MOON LAKE	UT10128	WEST FORK OF LAKESIDE RIVER	DO1	USBR	40 33.7	110.0	128.0	75.0	92.0	51.0	0.0	0.0
	SPK0820	E FORK RIVER			110 29.4					2.13	0.0	6.1
STARVATION RESERVOIR	UT10136	STRAWBERRY RIVER	IR	DO1	USBR	40 10.8	1045.0	127.0	156.0	189.0	0.0	0.0
VOIR	SPK0821				110 26.0					3.67	0.0	12.0
COUNTY NAME: EMERY												
GRAY CANYON DAM	UT00033	GREEN RIVER	HM		38 59.0	39100.0	6366.0	105.0	0.0	0.0	0.0	0.0
SITE TO GREEN RIVER	SPK0822				110 9.0					196.17	0.0	443.6
GREEN RVR TO BAC	UT00035	GREEN RIVER	HM		38 36.5	40600.0	6388.0	85.0	0.0	0.0	0.0	0.0
WATER JUNCTION	SPK0824				110 1.5					164.90	0.0	372.9
COTTONWOOD RESERVOIR	UT00037	COTTONWOOD CREEK	HM		39 15.5	86.0	97.0	780.0	0.0	0.0	0.0	0.0
VOIR	SPK0825				111 6.5					11.09	0.0	28.8
ELECTRIC LAKE	UT00100	HUNTINGTON CREEK	HM	UTAH POWER	39 37.2	130.0	67.0	165.0	194.0	34.0	0.0	0.0
	SPK0827			LIGHT CO	111 13.1					3.54	0.0	7.3
HILLSITE	UT00012	FERRON CREEK	HM	FERRON CR	39 5.8	136.0	68.0	85.0	100.0	18.0	0.0	0.0
	SPK0828			W CO	111 11.1					2.21	0.0	3.5
BUCKHORN RESERVOIR	UT10114	SAN RAFAEL RIVER	HM	DO1	BLM	39 14.5	31.0	35.0	22.0	5.0	0.0	0.0
IR	SPK0829	EVER			110 48.7					0.26	0.0	0.4
HUNTINGTON NORTH	UT10122	HUNTINGTON CREEK	IR	DO1	USBR	39 21.1	190.0	97.0	48.0	6.0	0.0	0.0
RESERVOIR	SPK0830	OFFSTREAM			110 57.2					1.50	0.0	3.1
JOES VALLEY RESE	UT10124	SEELY CREEK	HM	DO1	USBR	39 17.3	135.0	90.0	145.0	72.0	0.0	0.0
VOIR	SPK0831				111 16.2					2.74	0.0	5.3

LEGEND

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(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, C/FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
(2) - DEDEBIS CONTROL, PEPAN POND, OTHER  
(3) - INSTALLED CAPACITY AND ENERGY  
(3) - INSTALLED CAPACITY AND ENERGY  
(3) - TOTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/10/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF UTAH

PROJECT NAME	IDENT	NAME OF STREAM	PROJ	OWNER	LONGITUDE	DRAINAGE	AVERAGE	NET HEIGHT	MAXIMUM	CAPACITY	ENERGY
					(N, S, E, W)	(SQ MI)	(CFS)	(FT)	(AC FT)	(GWH)	(3)
COUNTY NAME: GARFIELD											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
ESCALANTE RESERVOIR	SPK0832	ESCALANTE RIVER			37 47.0	310.0	17.0	109.0	23.0	0.0	0.0
PINE CREEK (HANS)	SPK0833	ESCALANTE RIVER			37 49.0	94.0	5.0	84.0	113.0	1.0	0.0
PANGUITCH LAKE	SPK0834	BLUE CREEK			37 44.5	47.0	24.0	21.0	25.0	19.0	0.0
COUNTY NAME: GRAND											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
MILL CREEK	SPK0835	MILL CREEK			38 33.0	75.0	14.0	152.0	206.0	10.0	0.0
GRAY CANYON	SPK0836	GREEN RIVER			39 13.5	39100.0	6152.0	470.0	470.0	2000.0	0.0
MOAB RESERVOIR	SPK0837	COLORADO RIVER			38 36.0	24500.0	3055.0	136.0	0.0	183.0	0.0
DEWEY RESERVOIR	SPK0838	COLORADO RIVER			38 48.0	24100.0	7055.0	325.0	0.0	6300.0	0.0
COUNTY NAME: IRON											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
NEWCASTLE (PINTO)	SPK0839	PINTO CREEK			37 38.8	62.0	11.0	54.0	73.0	5.0	0.0
CENTER CREEK (PARK)	SPK0840	CENTER CREEK			37 50.5	60.0	7.0	490.0	0.0	0.0	2.0
COUNTY NAME: KANE											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: MOHAVE											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: NAVAJO											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: PIMA											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: PUEBLO											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: SAN JUAN											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: SAGUARO											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: SANTA FE											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: TARRANT											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: TRAVIS											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: WALKER											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: WILSON											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											
COUNTY NAME: YAVAPAI											
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE SF											

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(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/10/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   U T A H

PROJECT NAME	IDENT * NUMBER (1)	NAME OF STREAM OR RIVER	PURP (2)	OWNER	*LATITUDE *LONGITUDE (DM,M)	*DRAINAGE AREA (SQ MI)	*ANNUAL INFLUN * HEAD (CFS) * (FT)	*AVERAGE * NET HEIGHT OF * STORAGE CAPACITY * ENERGY (MW) * (GWH) (3)
COUNTY NAME: JUAB								
MONA RESERVOIR	*UT00215 *SPK0841	*CURRENT CREEK	*I	*CURRENT CREEK *K IMM CO	*39 52.7 *111 51.2	*303.0	*22.0 *20.0	*21.0 *23.0
SEVIER BRIDGE	*UT00272 *SPK0842	*SEVIER RIVER	*I	*DELTA LAND *WATER ETAL	*39 22.3 *112 1.9	*5120.0	*65.0 *77.0	*236.0 *3.76N
COUNTY NAME: MILLARD								
D M A D	*UT00080 *SPK0843	*SEVIER RIVER	*I	*D M A D CO	*39 24.0 *112 28.9	*6270.0	*25.0 *29.0	*11.0 *2.00N
FOOL CREEK NO 1	*UT00114 *SPK0844	*FOOL CREEK	*I	*CENTRAL UTAH *WATER CO	*39 27.1 *112 21.1	*30.0	*16.0 *17.0	*18.0 *0.09N
FOOL CREEK NO 2	*UT00115 *SPK0845	*FOOL CREEK	*I	*CENTRAL UTAH *WATER CO	*39 27.1 *112 22.2	*30.0	*16.0 *13.0	*5.0 *0.07N
LAKE CREEK	*UT00168 *SPK0846	*LAKE CREEK	*I	*LAKE CREEK R *RES CO	*38 53.9 *114 1.1	*1156.0	*26.0 *14.0	*6.0 *0.58N
SCIPIO LAKE	*UT00269 *SPK0847	*ROUND VALLEY CREEK	*I	*SCIPIO IRR CO *NO	*39 7.3 *112 3.2	*65.0	*16.0 *10.0	*10.0 *0.16N
COUNTY NAME: MORGAN								
DRY CREEK RESERVOIR	*UT00006 *SPK0848	*WATER RIVER	*I		*41 8.0 *111 46.0	*1010.0	*106.0 *144.0	*8.0 *10.92N
HARD SCRABBLE	*UT00007 *SPK0849	*HARD SCRABBLE CR	*I		*40 56.0 *111 44.0	*24.0	*22.0 *172.0	*6.0 *0.40N
INTERMEDIATE LOS T CREEK	*UT00009 *SPK0850	*LOST CREEK	*I		*41 14.0 *111 21.0	*69.0	*52.0 *108.0	*4.0 *1.46N

L E G E N D

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DEBRIS CONTROL, PUMP, POND, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY \*NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
\*INSTALLED CAPACITY AND ENERGY \*TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/10/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   U T A H

PROJECT NAME	ID#	NAME OF STREAM	PROJ#	LAITUDE	DRAINAGE AREA	ANNUAL INFLOW	POW#	NET HEAD	STORAGE CAPACITY	ENERGY
	(1)		(2)	(DM, N)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)
COUNTY NAME: MORGAN										
FERC POWER SUPPLY AREA 41   FERC REGIONAL OFFICE CODE SF										
GATEWAY POWERHOUSE	UT06056	WEBER RIVER	M	41 5.3	1610.0	552.0	148.0	0.0	0.0	4.28E 15.4
SE	SPK0451			41 51.1						19.00E 40.1
EAST CANYON RESE	UT10119	EAST CANYON CREEK	ISCO	40 55.2	142.0	53.0	156.0	195.0	56.0	0.0E 0.0
RVOIR	SPK0452			41 36.0						2.95E 12.0
LOST CREEK RESER	UT10125	LOST CREEK		41 11.1	123.0	20.0	134.0	161.0	27.0	0.0E 0.0
VOIR	SPK0453			41 24.0						3.10E 7.4
COUNTY NAME: PIUTE										
FERC POWER SUPPLY AREA 41   FERC REGIONAL OFFICE CODE SF										
OTTER CREEK	UT00235	OTTER CREEK	I	36 10.2	330.0	12.0	26.0	35.0	63.0	0.0E 0.0
	SPK0454			41 1.2						6.60E 2.0
PIUTE	UT00249	SEVIER RIVER	I	36 19.4	2400.0	212.0	53.0	62.0	74.0	0.0E 0.0
	SPK0455			41 11.2						1.63E 6.4
UPPER BEAVER POW	UT00063	BEAVER RIVER	M	36 16.5	60.0	50.0	110.0	0.0	0.0	2.40E 11.0
ERPLANT	SPK0456			41 26.5						0.0E 0.0
BEAVER NO 1 POW	UT00060	BEAVER RIVER	M	36 16.2	80.0	50.0	364.0	0.0	0.0	6.30E 3.1
RHOUSE	SPK0457			41 33.5						0.0E 0.0
PARAGONAH	UT00088	RED CREEK	M	36 0.0	60.0	50.0	732.0	0.0	0.0	5.50E 1.6
	SPK0458			41 0.0						0.0E 0.0
COUNTY NAME: RICH										
FERC POWER SUPPLY AREA 41   FERC REGIONAL OFFICE CODE SF										
BIRCH CREEK	UT00041	BIRCH CREEK	I	41 30.2	17.0	8.0	77.0	91.0	2.0	0.0E 0.0
	SPK0459			41 19.5						2.60E 0.0
NEPONSET	UT00225	KATES CREEK	M	41 17.4	14.0	9.0	16.0	19.0	6.0	0.0E 0.0
	SPK0460			41 6.7						0.05E 0.1

L E G E N D

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D=DEBRIS CONTROL, P=POND, G=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY   N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY   T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITE  
IN THE STATE OF UTAH

(1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE IO, BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID,  
(2) - PROJECT PURPOSE: I=IRRIGATION, M=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=WATER SUPPLY, R=RECREATION,  
O=OTHERS CONTROL, P=FARM POND, O=OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=UNINSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/10/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF UTAH

PROJECT NAME	IDENT * NUMBER	NAME OF STREAM OR RIVER	PROJ* PURP	OWNER	LATITUDE (DM,N)	DRAINAGE AREA (SQ MI)	ANNUAL INFLOW (CFS)	NET *HEIGHT* OF *STORAGE* HEAD *DAM * (FT)	CAPACITY* (1000 AC FT)	ENERGY (KWH) (3)
COUNTY NAME: SAN JUAN										
BLUFF (CHINLE)	*UT00054*	SAN JUAN RIVER	*H*		*37 11.5*	*22900.0*	*2586.0*	*354.0*	*7000.0*	*0.0*
	*SPK0873*				*109 48.0*					
COUNTY NAME: SANPETE										
GUNNISON	*UT00130*	SAN PITCH RIVER	*I*	*GUNNISON IRR*	*39 12.8*	*672.0*	*48.0*	*28.0*	*33.0*	*0.0*
	*SPK0874*			*CO*	*111 42.5*					
GUNNISON BEND	*UT00131*	SEVIER RIVER	*I*	*DESEKET IRR*	*39 20.7*	*6270.0*	*187.0*	*18.0*	*21.0*	*0.0*
	*SPK0875*			*CO*	*112 37.5*					
HIGHLAND (MINE ILE RESERVOIR)	*UT00138*	NINE MILE CREEK	*I*	*HIGHLAND CANE*	*39 10.3*	*9.0*	*10.0*	*26.0*	*31.0*	*0.0*
	*SPK0876*			*AL CO*	*111 43.1*					
HUNTINGTON	*UT00144*	SPRING CREEK	*I*	*HUNTINGTON-C*	*39 35.1*	*5.0*	*6.0*	*30.0*	*37.0*	*0.0*
	*SPK0877*			*LEVELAND IRR*	*111 15.7*					
MILLER FLAT	*UT00210*	WILLER FLAT CREEK	*I*	*HUNTINGTON-C*	*39 32.4*	*9.0*	*10.0*	*60.0*	*70.0*	*0.0*
	*SPK0878*			*LEVELAND IRR*	*111 14.5*					
EPHRAIM NO 1 POWERHOUSE	*UT008054*	EPHRAIM CREEK	*H*	*CITY OF EPHRA*	*39 20.5*	*5.2*	*6.0*	*1370.0*	*0.0*	*0.0*
	*SPK0879*			*AIM*	*111 32.7*					
EPHRAIM NO 2 POWERHOUSE	*UT008055*	EPHRAIM CREEK	*H*	*CITY OF EPHRA*	*39 20.2*	*1.0*	*2.0*	*1160.0*	*0.0*	*0.0*
	*SPK0880*			*AIM*	*111 31.5*					
LOWER MOUNT PLEASANT CREEK	*UT008062*	PLEASANT CREEK	*H*	*MT PLEASANT*	*39 32.4*	*6.3*	*7.0*	*315.0*	*0.0*	*0.0*
SANT POWERHOUSE	*SPK0881*			*CITY CORP*	*111 22.5*					
LOWER FAIRVIEW POWERHOUSE	*UT008064*	COTTONWOOD CREEK	*H*	*FAIRVIEW CIT*	*39 38.2*	*12.0*	*14.0*	*390.0*	*0.0*	*0.0*
	*SPK0882*			*Y CORP*	*111 25.3*					
MANTI POWERHOUSE	*UT008066*	MANTI CREEK	*H*	*MANTI CITY L*	*39 15.4*	*27.0*	*31.0*	*366.0*	*0.0*	*0.0*
	*SPK0883*			*IGHT AND POW*	*111 36.6*					

LEGEND

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GEOTHERM CONTROL, REFRAM POND, DESOTER  
(3) - ESTIMATED CAPACITY AND ENERGY \*NEW\* INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - USINSTALLED CAPACITY AND ENERGY \*TOTAL\* POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/10/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   U T A H

PROJECT NAME	IDENT NUMBER (1)	NAME OF STREAM OR RIVER	PROJ. PURPOSE (2)	OWNER	LATITUDE (N, UTM)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLU (CFS)	NET POWER HEAD (FT)	MAXIMUM STORAGE OF DAM (AC FT)	CAPACITY (GWH) (3)	ENERGY (3)
COUNTY NAME: GARFIELD											
MOUNTAIN SPRINGS POWERHOUSE	SPK0864	MOUNTAIN CREEK	M	MANTI CITY	39 15.4	27.0	31.0	2610.0	0.0	0.0	2.4
UPPER MOUNT PLEASANT CREEK POWERHOUSE	SPK0865	UPPER MOUNT PLEASANT CREEK	M	MOUNT PLEASANT CITY CORP	39 32.0	1.0	2.0	415.0	0.0	0.0	0.1
FOUNTAIN GREEN POWERHOUSE	SPK0866	FOUNTAIN GREEN CREEK	M	UTAH PWR & LIGHT CO	39 38.5	1.0	1.0	200.0	0.0	0.0	1.3
COUNTY NAME: BEVER											
FORSYTH	SPK0867	EAST FORK OF FREMONT RIVER	M	FREMONT IRR CO	38 51.0	70.0	37.0	50.0	3.0	0.0	0.0
JOHNSON	SPK0868	SEVEN MILE CREEK	M	FREMONT IRR CO	38 36.5	25.0	15.0	23.0	15.0	0.0	0.0
THREE CREEKS RESERVOIR	SPK0869	THREE CREEKS	M	KENTS LAKE IRR CO	38 37.7	10.0	15.0	71.0	0.0	0.0	0.0
LOWER MONROE POWERHOUSE	SPK0870	MONROE CREEK	M	MONROE CITY CORP	38 36.0	39.0	24.0	284.0	0.0	0.0	0.4
UPPER MONROE POWERHOUSE	SPK0871	MONROE CREEK	M	MONROE CITY CORP	38 36.5	39.0	24.0	1450.0	0.0	0.0	0.5
COUNTY NAME: SUMMIT											
JEREMY POINT	SPK0872	EAST CANYON CREEK	M	CAMP	40 48.0	208.0	284.0	112.0	151.0	37.0	0.0
LOWER LARABEE ATTS	SPK0873	HEBER RIVER	M		40 48.0	75.0	102.0	100.0	135.0	9.0	0.0
L E G E N D											

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, FLOOD CONTROL, NAVIGATION, SEWER SUPPLY, RECREATION, SEDIMENT CONTROL, PUMP AND POND, OTHER  
(3) - E=INSTALLED CAPACITY AND ENERGY N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - U=INSTALLED CAPACITY AND ENERGY T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/10/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   U T A H

PROJECT NAME	IDENT * NUMBER * (1)	NAME OF STREAM CR RIVER	PROJ * PURP * (2)	OWNER	*LATITUDE * *LONGITUDE * (UM,M)	*DRAINAGE * AREA * (SQ MI)	*AVERAGE * ANNUAL * INFLOW * (CFS)	*NET * POWER * HEAD * (FT)	*MAXIMUM * CAPACITY * (1000 * AC FT)	*ENERGY * (GWH * (3)
COUNTY NAME: SUMMIT										
SILVER CREEK	*UT00012*	SILVER CREEK	*M		*40 41.5 * *111 28.0 *	20.0 *	18. *	52. *	20.0U	0. *U 0. *
	*SPK0894*									
SOUTH FORK WEBER	*UT00013*	SOUTH FORK WEBER	*M		*40 45.0 * *111 14.0 *	183.0 *	222. *	72. *	1.0U	0. *U 0. *
	*SPK0895*	RIVER								
HEINERS CREEK	*UT00013*	HEINERS CREEK	*M	*DESENET LIVER	*41 4.0 * *111 18.9 *	18.0 *	20. *	20. *	0.0E	0. *E 0. *
	*SPK0896*			*STOCK CO						
HOOP LAKE	*UT00143*	EAST FORK OF BEAVER LAKE	*M	*S + IRM CO	*40 55.4 * *110 7.5 *	8.0 *	7. *	31. *	5.0E	0. *E 0. *
	*SPK0897*	LAKE								
WHITNEY RESERVOIR	*UT00324*	WEST FORK OF BEAVER LAKE	*M	*C MUPH BEAR RIVER	*40 50.3 * *110 55.6 *	7.0 *	9. *	55. *	5.0E	0. *E 0. *
	*SPK0898*	RIVER		*MILL CRK						
ECHO RESERVOIR	*UT10120*	WEBER RIVER	*M	*DUI USBM	*40 57.8 * *111 25.9 *	732.0 *	200. *	94. *	74.0E	0. *E 0. *
	*SPK0899*									
ROCKPORT LAKE	*UT10131*	WEBER RIVER	*M	*ISMOC-DUI USBM	*40 47.4 * *111 24.2 *	332.0 *	182. *	111. *	150. *	1.030E 5.7
	*SPK0900*									
COUNTY NAME: TOOELE										
SETTLEMENT CANYON										
	*UT00270*	SETTLEMENT CANYON	*IS	*SETTLEMENT CO	*40 30.7 * *112 17.8 *	18.0 *	17. *	65. *	82. *	1.0E 0. *E 0. *
	*SPK0901*	N CREEK		*ANYON IRR CO						
COUNTY NAME: UTAH										
SPLIT MOUNTAIN	*UT00045*	GREEN RIVER	*M		*40 25.5 * *109 17.5 *	2280.0 *	3600. *	315. *	0. *	335.0U 0. *U 0. *
	*SPK0903*	ESERVOIR								
ASHLEY CREEK	*UT00046*	ASHLEY CREEK	*M		*40 37.0 * *109 38.0 *	62.0 *	67. *	1700. *	0. *	0.0U 0. *U 0. *
	*SPK0904*	ERVOIR								
L E G E N D										

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, C&FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION,  
ORDERED CONTROL, PUMP, POND, DITCH  
(3) - ESTABLISHED CAPACITY AND ENERGY: INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/10/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P O T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   U T A H

PROJECT NAME	IDENT NUMBER	NAME OF STREAM OR RIVER	PURPOSE (1)	OWNER	LATITUDE (DM-M)	LONGITUDE (DM-M)	DRAINAGE AREA (SQ MI)	AVERAGE ANNUAL INFLOW (CFS)	NET POWER (FT)	HEIGHT OF DAM (FT)	STORAGE CAPACITY (MGH)	ENERGY (3)
COUNTY NAME: UTAH												
OAKS PARK RESERVOIR	UT00234	BRUSH CREEK	I M	ASHLEY VALLEY	40 45.0	120.0	9.0	41.0	7.0	0.0	0.0	0.0
DIR	SPK0901			Y MES CO	109 37.1						0.16	0.2
STEINAKER RESERVOIR	UT10113	ASHLEY CREEK OFFICER	DDI USRM		40 30.0	20.0	16.0	110.0	132.0	40.0	0.0	0.0
DIR	SPK0906	STREAM			109 32.0						0.80	1.1
COUNTY NAME: UTAH												
ALTA TUNNEL POWERHOUSE	UT00017	LITTLE COTTONWOOD CREEK			40 54.0	27.0	25.0	650.0	0.0	0.0	0.0	0.0
DIR	SPK0907				111 42.5						2.28	11.8
TIBBLE FORK	UT00299	NORTH FORK OF AMEC		AND UT CO WATER	40 28.9	35.0	32.0	40.0	47.0	0.0	0.0	0.0
DIR	SPK0911	AMERICAN FORK		AMERICAN DIST	111 36.7						0.18	0.9
AMERICAN FORK POWERHOUSE	UT00305	AMERICAN FORK		UTAH POWER AND LIGHT	40 21.9	52.0	55.0	574.0	0.0	0.0	0.0	0.0
DIR	SPK0912				111 42.0						9.92	19.3
BARTOLOME POWERHOUSE	UT00501	MOBILE CREEK		SPRINGVILLE	40 9.5	98.0	43.0	890.0	0.0	0.0	0.0	0.0
DIR	SPK0913			MUN CORP	111 31.5						11.52	28.1
LOWER STRAWBERRY POWERHOUSE	UT00605	SPANISH FORK CREEK		STRAWBERRY	40 4.8	0.0	175.0	48.0	0.0	0.0	0.0	0.0
DIR	SPK0914			TR USERS ASS	111 36.2						0.25	1.1
OLMSTED POWERHOUSE	UT00608	PROVOC RIVER		UTAH POWER AND LIGHT CO	40 18.7	640.0	83.0	340.0	0.0	0.0	0.0	0.0
SE	SPK0915				111 39.4						12.70	59.3
PAYSON POWERHOUSE	UT00609	PETEETNEET CREEK		STRAWBERRY	40 8.8	26.0	24.0	636.0	0.0	0.0	0.0	0.0
DIR	SPK0916			TR USERS ASS	111 42.5						0.40	1.9
UPPER STRAWBERRY POWERHOUSE	UT00607	SPANISH FORK		STRAWBERRY	40 0.0	0.0	175.0	123.0	0.0	0.0	0.0	0.0
DIR	SPK0917			TR USERS ASS	0 0.0						0.90	5.2

L E G E N D

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO BOTTOM LINE DEFINES (U.S.A.C.L.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: IRRIGATION, HYDROELECTRIC, C&FLOOD CONTROL, NAVIGATION, WATER SUPPLY, RECREATION, DEBRIS CONTROL, BEAVER POND, OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(4) - INSTALLED CAPACITY AND ENERGY: TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)



( 07/10/79 )

PRELIMINARY ESTIMATES  
POTENTIAL HYDROPOWER SITES  
IN THE STATE OF UTAH

PROJECT NAME	IDNT	NAME OF STREAM	PROJ	NUMBER	CR RIVER	OWNER	LONGITUDE	AREA	INFLW	HEAD	DAM	STORAGE	CAPACITY	ENERGY
				(1)			(UM-M)	(SQ MI)	(CFS)	(FT)	(FT)	(AC FT)	(3)	(3)
COUNTY NAME: WASATCH														
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE 3F														
STRABERRY RIVER	UT00015	STRABERRY RIVER					40 8.0	210.0	31.0	52.0	71.0	7.0	0.0	0.0
AT STINKING SPR	SPK0918						111 2.0						0.0	0.0
SYAR	UT00024	STRABERRY OFFST					40 7.0	215.0	71.0	431.0	0.0	0.0	0.0	0.0
	SPK0919	REAM					111 .5						4.0	17.0
HEBER POWERHOUSE	UT00057	PROVC RIVER					40 34.1	240.0	327.0	120.0	0.0	0.0	0.0	4.5
	SPK0920						111 25.5						2.0	10.0
SNAKE CREEK POWER	UT00071	SNAKE CREEK					40 33.6	.0	0.0	1095.0	0.0	0.0	0.0	4.5
HOUSE (HEBER LI)	SPK0921						AND PWR PLANT	111 31.7					0.0	0.0
SNAKE CREEK POWER	UT00072	SNAKE CREEK					40 32.7	7.0	6.0	752.0	0.0	0.0	1.0	3.2
HOUSE (UTAH POW)	SPK0922						AND LIGHT CO	111 30.2					0.0	0.0
DEER CREEK RESER	UT00117	PROVC RIVER					40 24.0	560.0	377.0	140.0	150.0	161.0	4.9	26.0
	SPK0923						111 32.0						0.0	0.0
STRABERRY RESER	UT00135	STRABERRY RIVER					40 6.4	210.0	31.0	205.0	243.0	112.0	0.0	0.0
VOIR (SOLDIER CR)	SPK0924						111 6.2						2.0	8.0
COUNTY NAME: WAYNE														
FERC POWER SUPPLY AREA 41 FERC REGIONAL OFFICE CODE 3F														
THURBER RESERVOIR	UT00016	WHEEPPONT RIVER					38 15.6	700.0	44.0	35.0	48.0	47.0	0.0	0.0
	SPK0925						111 30.0						0.0	1.1
TAILRACE OF TOUR	UT00049	WHEEPPONT RIVER					38 17.0	688.0	56.0	1240.0	0.0	0.0	0.0	0.0
RY TO CAPITOL RE	SPK0926						111 16.0						20.5	47.5
MILL MEADOW	UT00020	WHEEPPONT RIVER					38 29.7	173.0	63.0	77.0	90.0	5.0	0.0	0.0
	SPK0927						111 34.3						2.0	3.0

LEGEND

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE ID. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: I=IRRIGATION, H=HYDROELECTRIC, C=CFLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, R=RECREATION,  
D=DEBRIS CONTROL, P=PEAK FLOW, O=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: N=NEW INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY: T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

( 07/10/79 )

P R E L I M I N A R Y   E S T I M A T E S  
P U T E N T I A L   H Y D R O P O W E R   S I T E S  
I N   T H E   S T A T E   O F   U T A H

PROJECT NAME	IDENT * NUMBER * (1)	NAME OF STREAM OR RIVER	PROJ * PUMP * (2)	OWNER	*LATITUDE * (DM,M)	*LONGITUDE * (SU MI)	*DRAINAGE * AREA * (SQ MI)	*ANNUAL * INFLOW * (CFS)	*NET * HEIGHT * (FT)	*MAXIMUM * OF * DAM * (1000 * (MW)	*STORAGE * CAPACITY * (3) * (3)	*ENERGY * (3)
COUNTY NAMES: WEBER												
FERC POWER SUPPLY AREA 41   FERC REGIONAL OFFICE CODE 3F												
PIONEER POWERHOUSE	UT04070	OGDEN RIVER		UTAH POWER	41 14.0	111 56.7	310.0	10.0	423.0	0.0	0.0	5.00E 25.7
SE	SPK0928			AND LIGHT CO								0.0
WEBER PH	UT04085	WEBER RIVER		UTAH PWR AND	41 4.0		0.0	0.0	104.0	0.0	0.0	2.50E 19.3
	SPK0929			LIGHT CO.		111 53.0						22.88E 47.3
CAUSEY RESERVOIR	UT10116	SOUTH FORK OGDEN RIVER		USBR	41 17.9		81.0	112.0	148.0	193.0	9.0	0.0
	SPK0930	RIVER			111 35.5							0.0
PINEVIEW RESERVOIR	UT10132	OGDEN RIVER		USBR	41 15.0		298.0	10.0	74.0	89.0	116.0	0.0
IR	SPK0931				111 50.0							1.63E 6.9
L E G E N D												

- (1) - TOP LINE IS INVENTORY OF DAMS CROSS REFERENCE TO. BOTTOM LINE DEFINES (U.S.A.C.E.) OFFICE AND SITE ID.  
(2) - PROJECT PURPOSES: I=IRRIGATION, M=HYDROELECTRIC, C=FLOOD CONTROL, N=NAVIGATION, S=SEWER SUPPLY, H=RECREATION,  
O=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: P=PAVEMENT, F=FAH, P=PAVEMENT, O=OTHER  
(3) - ESTIMATED CAPACITY AND ENERGY: N=NET INCREMENTAL POTENTIAL CAPACITY AND ENERGY (FOR EXISTING DAMS)  
(3) - UNINSTALLED CAPACITY AND ENERGY: T=TOTAL POTENTIAL CAPACITY AND ENERGY (FOR UNDEVELOPED SITES)

APPENDIX II

U.S. ARMY CORPS OF ENGINEERS

NATIONAL HYDROELECTRIC POWER RESOURCES STUDY

PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES

DESCRIPTION OF TERMS



## PRELIMINARY INVENTORY OF HYDROPOWER RESOURCES

### DESCRIPTION OF TERMS

ACRE FOOT: (AcFt) A measure of volume. An acre (43,560 square feet) of water, one foot deep (43,560 cubic feet).

AVERAGE ANNUAL INFLOW: The average yearly inflow into a reservoir for the historical period of record, measured in cubic feet per second (cfs).

CAPABILITY: The maximum load which a generator, generating station, or other electrical apparatus can supply under specified conditions for a given period of time, without exceeding approved limits of temperature and stress.

CAPACITY: The load for which a generating unit, generating station, or other electrical apparatus is rated either by the user or manufacturers' nameplate rating. Capacity is sometimes used synonymously with capability.

CONVENTIONAL HYDROELECTRIC POWER PLANT: An electric power plant utilizing falling water from stream flow or reservoir storage as the primary motive force of electrical generation.

DEMAND: The rate at which electric energy is required.

ELECTRIC ENERGY/POWER: That which does or is capable of doing work; measured in terms of the work it is capable of doing; i.e., kilowatt-hours.

EXISTING FACILITIES: A dam or other existing water resource project which has created a hydraulic head suitable for generating hydroelectric power. Such facilities include, but are not limited to:

- Irrigation drop structures and canals.
- Existing dams without any provisions for installing power facilities.
- Existing dams with minimum facilities for installing power in the future; i.e., intakes and penstocks usually have been installed.
- Existing dams with generating facilities and with additional space constructed for adding more generating equipment.
- Existing dams with generating equipment installed; however, a potential exists for additional power generation.

FLOW DURATION CURVE: A plot of stream flows ranked in descending order of magnitude, against time intervals, for a specific period.

FOSSIL FUEL: Refers to coal, oil, and natural gas.

GENERATOR: A machine which transforms mechanical energy from the prime mover (turbines) into electric energy.

GIGAWATT (GW): One million (1,000,000) kilowatts.

GIGAWATT-HOURS (GWH): One million kilowatt-hours.

HEIGHT OF DAM: Distance from streambed at dam centerline to the top of the dam with respect to maximum storage capacity.

HYDROELECTRIC POWER: Electrical energy derived from the energy of falling or flowing water.

INCREMENTAL DEVELOPMENT: The estimated hydroelectric power potential that can be added to an existing facility or water resource project.

INSTALLED CAPACITY: The total of the capacities as shown by the nameplates of the generating units in a station or system.

KILOWATT-HOURS (KWH): The basic unit of electric energy equal to one kilowatt demand over a period of one hour, equal to 3,413 BTU.

LOAD: The amount of electric power delivered at a given point or points in a system.

L/D: An indication that the existing project is a dam with a navigation lock included; lock and dam.

MEGAWATTS (MW): A million watts or 1,000 kilowatts.

MEGAWATT-HOURS (MW): 1,000,000 watt-hours or 1,000 KWH.

NAMEPLATE RATING: The full-load, continuous operation rating of a generator, prime mover or other electrical equipment under specified conditions as designated by the manufacturer.

NET POWER HEAD: The difference between the elevations of the power pool and the tailwater less hydraulic and mechanical losses in the waterways.

NUCLEAR POWER PLANT: An electric generating plant utilizing the heat from a nuclear reactor as the source of power.

PENSTOCK: A conduit used to convey water to the turbine units of a hydroelectric plant.

PLANT FACTOR: The ratio of the average load on the plant for the period of time considered to the aggregate rating of all the generating equipment installed in the plant.

POTENTIAL HYDROELECTRIC POWER: The aggregate capacity capable of being developed by practical use of available stream flow and net power head.

POWER HOUSE: An electric generating station at which is located prime movers, electric generators, and auxiliary equipment for producing electric energy.

PUMPED STORAGE POWER PLANT: A hydropower plant where electric energy is generated for peak load use by utilizing water pumped into a storage reservoir, usually during off-peak hours.

SMALL-SCALE HYDROELECTRIC POWER PLANT: A hydroelectric generating station with less than 15 MW of installed capacity.

THERMAL GENERATING FACILITY: A generating plant which uses heat as the source of energy for the prime mover. Such plants may burn fossil fuels or use nuclear energy to produce the heat.

UNDEVELOPED SITES: No dam or other structure exists at this site to create the hydraulic head needed for generating hydroelectric energy. However, the topography of the site is favorable for developing a hydroelectric power project.

WATER RESOURCE PROJECT: A facility planned and constructed to obtain one or more uses or benefits from water. Purposes or uses may include navigation, flood control, hydroelectric power, land and water recreation, irrigation, water supply and water quality management.

WATT: The rate of energy transfer equivalent to one ampere under a pressure of one volt at unity power factor.



APPENDIX III

U.S. ARMY CORPS OF ENGINEERS

NATIONAL HYDROELECTRIC POWER RESOURCES STUDY

DIVISION AND DISTRICT REPRESENTATIVES

DIVISION STUDY COORDINATORS

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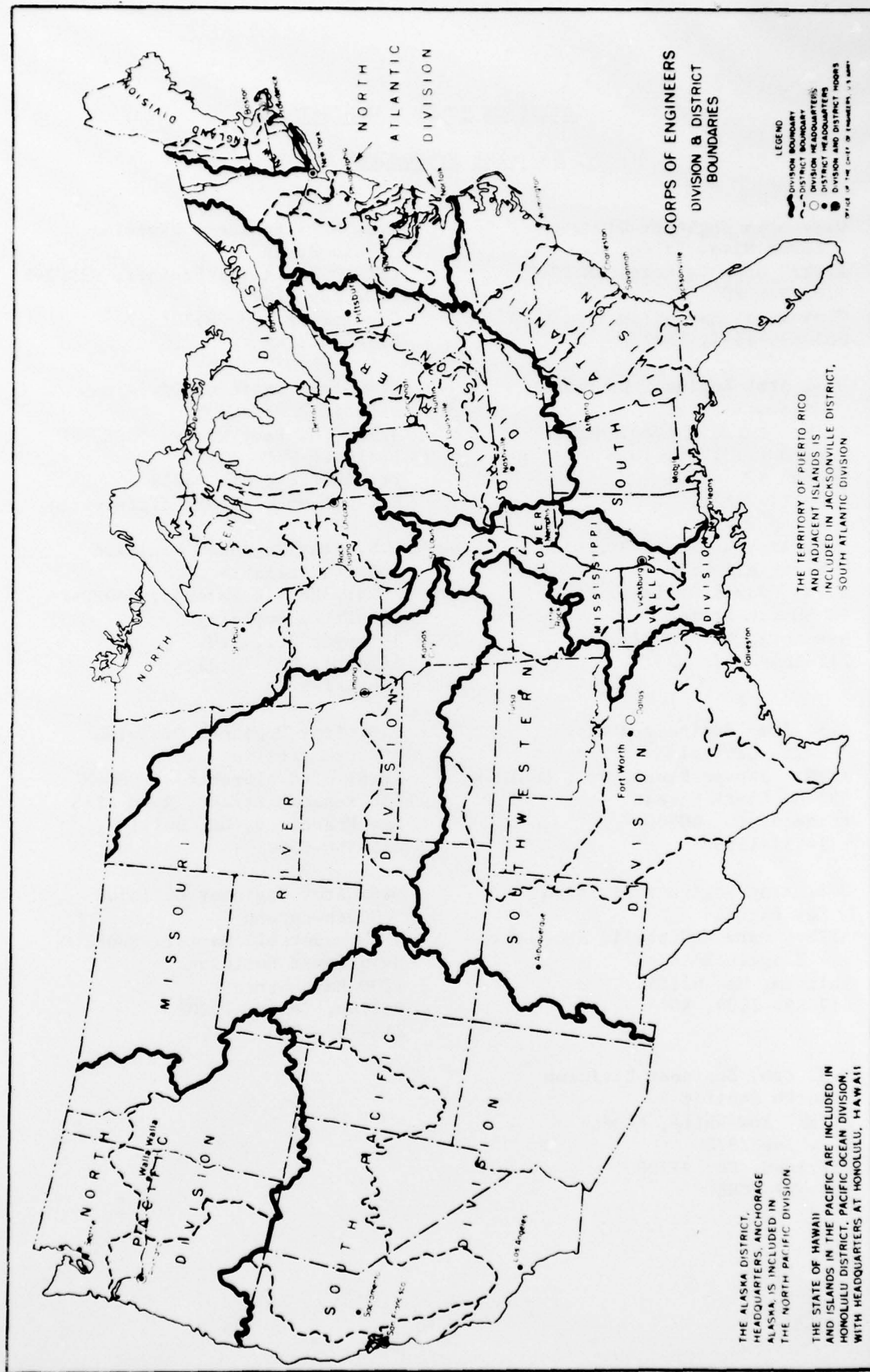
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404-221-6739

U.S. Army Engineer Division  
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San Francisco, CA 94111  
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Portland, OR 97208  
503-221-6449

U.S. Army Engineer District  
Seattle  
ATTN: Hydro Study Rep  
P.O. Box C-3755  
Seattle, WA 98124  
206-764-3473

U.S. Army Engineer District  
Walla Walla  
ATTN: Hydro Study Rep  
Bldg 602  
City-County Airport  
Walla Walla, WA 99362  
509-525-5500

U.S. Army Engineer District  
Huntington  
ATTN: Hydro Study Rep  
P.O. Box 2127  
Huntington, WV 25721  
304-529-5639

U.S. Army Engineer District  
Louisville  
ATTN: Hydro Study Rep  
P.O. Box 59  
Louisville, KY 40201  
502-582-5643

U.S. Army Engineer District  
Nashville  
ATTN: Hydro Study Rep  
P.O. Box 1070  
Nashville, TN 37202  
615-251-7194

U.S. Army Engineer District  
Pittsburgh  
ATTN: Hydro Study Rep  
Federal Building  
1000 Liberty Avenue  
Pittsburgh, PA 15222  
412-644-6849

U.S. Army Engineer District  
Charleston  
ATTN: Hydro Study Rep  
P.O. Box 919  
Charleston, SC 29402  
803-724-4236

U.S. Army Engineer District  
Jacksonville  
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P.O. Box 4970  
Jacksonville, FL 32201  
904-791-3467

U.S. Army Engineer District  
Mobile  
ATTN: Hydro Study Rep  
P.O. Box 2288  
Mobile, AL 36228  
205-690-2781

U.S. Army Engineer District  
Savannah  
ATTN: Hydro Study Rep  
P.O. Box 889  
Savannah, GA 31402  
912-233-8822, X378

U.S. Army Engineer District  
Wilmington  
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919-343-9971, X447

U.S. Army Engineer District  
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650 Capital Mall  
Sacramento, CA 95814  
916-440-3557

U.S. Army Engineer District  
Los Angeles  
ATTN: Hydro Study Rep  
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Los Angeles, CA 90053  
213-688-5441

U.S. Army Engineer District  
San Francisco  
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211 Main Street  
San Francisco, CA 94105  
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U.S. Army Engineer District  
Albuquerque  
ATTN: Hydro Study Rep  
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505-766-3225

U.S. Army Engineer District  
Fort Worth  
ATTN: Hydro Study Rep  
P.O. Box 17300  
Ft. Worth, TX 76102  
817-334-2024

U.S. Army Engineer District  
Galveston  
ATTN: Hydro Study Rep  
P.O. Box 1229  
Galveston, TX 77553  
713-763-6323

U.S. Army Engineer District  
Little Rock  
ATTN: Hydro Study Rep  
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Little Rock, AR 72203  
501-378-5735

U.S. Army Engineer District  
Tulsa  
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Tulsa, OK 74102  
918-581-7666